

BEFORE THE NEW MEXICO PUBLIC REGULATION COMMISSION

**IN THE MATTER OF PUBLIC SERVICE)
COMPANY OF NEW MEXICO'S)
CONSOLIDATED APPLICATION FOR)
APPROVALS FOR THE ABANDONMENT,)
FINANCING, AND RESOURCE REPLACEMENT)
FOR SAN JUAN GENERATING STATION)
PURSUANT TO THE ENERGY TRANSITION ACT)**

19-_____-UT

DIRECT TESTIMONY

OF

HENRY E. MONROY

July 1, 2019

**NMPRC CASE NO. 19 ____ -UT
INDEX TO THE DIRECT TESTIMONY OF
HENRY E. MONROY**

**WITNESS FOR
PUBLIC SERVICE COMPANY OF NEW MEXICO**

I.	INTRODUCTION AND PURPOSE.....	1
II.	CUSTOMER IMPACTS OF CONSOLIDATED APPLICATION	4
III.	IDENTIFICATION OF ENERGY TRANSITION COSTS TO BE FINANCED THROUGH THE ISSUANCE OF SECURITIZED BONDS	8
	A. Upfront Financing Costs.....	9
	B. Undepreciated Investment	12
	C. Coal Mine Reclamation Costs	14
	D. Plant Decommissioning Costs	20
	E. Job Training and Severance Costs.....	25
	F. Other Costs Required by Changes in Law.....	29
	G. Payments Made to State Agencies.....	29
IV.	ACCOUNTING FOR THE SECURITIZATION FINANCING.....	31
V.	PROPOSED RATEMAKING UNDER SECTION 4(B), PARTS 10 AND 11 OF THE ENERGY TRANSITION ACT.....	36
VI.	ITEMS RELATED TO THE ABANDONMENT OF THE SAN JUAN COAL PLANT RECOVERED IN BASE RATES, AND NOT IN THE ENERGY TRANSITION CHARGE.....	41
	A. Accumulated Deferred Income Taxes Created by Abandonment	42
	B. One-time Costs Associated with Abandonment of the San Juan coal plant.....	44
	C. On-going Costs After Abandonment of the San Juan coal plant.....	45
	D. Carrying Charges Associated with Payments Made in Advance of Issuance of Energy Transition Bonds	46
VII.	REQUESTED APPROVALS FROM THE COMMISSION TO ESTABLISH REGULATORY ASSETS AND LIABILITIES	47
VIII.	SAN JUAN COAL PLANT REVENUE REQUIREMENTS.....	48

IX.	2023 REVENUE REQUIREMENTS FOR THE RESOURCES PROPOSED IN SCENARIO 1.....	50
A.	Proposed Replacement Resources under Scenario 1	50
B.	PNM-Owned Resources included in Scenario 1.....	52
C.	Revenue Requirements for PPAs in Scenario 1.....	60
X.	SUMMARY OF OTHER SCENARIOS	63
XI.	CONCLUSION.....	63

PNM Exhibit HEM-1	Resume of Henry E. Monroy
PNM Exhibit HEM-2	PNM Securitization vs Traditional Recovery
PNM Exhibit HEM-3	Estimated Costs to Obtain Abandonment Order
PNM Exhibit HEM-4	San Juan Coal Mine Reclamation
PNM Exhibit HEM-5	Coal Mine Reclamation Assumptions
PNM Exhibit HEM-6	Schedule of Accretion and Depreciation Expense for Plant Decommissioning
PNM Exhibit HEM-7	PNM and PNMR Estimated Severance
PNM Exhibit HEM-8	Accounting Journal Entries Related to Securitization Financing - SPE
PNM Exhibit HEM-9	Accounting Journal Entries Related to Securitization Financing - PNM
PNM Exhibit HEM-10	ADIT Benefit Related to San Juan coal plant Abandonment
PNM Exhibit HEM-11	One-Time Costs Related to San Juan coal plant not Recovered Through Energy Transition Charge
PNM Exhibit HEM-12	Carrying Charges on Payments in Advance of Energy Transition Bonds
PNM Exhibit HEM-13	Summary of Regulatory Assets and Liabilities
PNM Exhibit HEM-14	San Juan coal plant Continued Operations
PNM Exhibit HEM-15	Estimated Costs for RFP and Regulatory Approval Process

PNM Exhibit HEM-16	Pinon 280 MW Gas Generation 2023 Estimated Annual Revenue Requirement
PNM Exhibit HEM-17	Zamora 30 MW Battery 2023 Estimated Annual Revenue Requirement
PNM Exhibit HEM-18	Sandia 40 MW Battery 2023 Estimated Annual Revenue Requirement
PNM Exhibit HEM-19	Arroyo 300 MW Solar/Battery PPA 2023 Estimated Annual Revenue Requirement
PNM Exhibit HEM-20	Transmission Network Upgrades for Arroyo PPA 2023 Estimated Annual Revenue Requirement
PNM Exhibit HEM-21	Jicarilla 50 MW Solar/ 20 MW Battery PPA 2023 Estimated Annual Revenue Requirement

AFFIDAVIT

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1

I. INTRODUCTION AND PURPOSE

2 **Q. PLEASE STATE YOUR NAME, POSITION AND BUSINESS ADDRESS.**

3 **A.** My name is Henry E. Monroy. I am the Controller, Utility Operations for PNM
4 Resources, Inc. (“PNMR”) and am employed by PNMR Services Company
5 (“PNMR Services”). My testimony is submitted on behalf of Public Service
6 Company of New Mexico (“PNM”), a public utility subsidiary of PNMR. My
7 address is 414 Silver Avenue, SW, Albuquerque, New Mexico 87102.

8

9 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

10 **A.** My testimony provides customer impacts, revenue requirements and ratemaking
11 proposals for the abandonment, replacement and securitized financing for the San
12 Juan coal plant. I conclude there will be savings for customers if the San Juan
13 coal plant is retired. I detail the energy transition costs, including abandonment
14 costs for the San Juan coal plant, to be paid from securitized financing. I
15 calculate the severance and job training expenses for the impacted PNM, PNMR
16 and coal mine employees, which are made possible through securitized
17 financing. With authorization of a regulatory asset, severance and training will be
18 available prior to plant shutdown and in advance of issuing the securitized
19 bonds. PNM also proposes using a regulatory asset to provide state agencies with
20 some of the Energy Transition Act Section 16 funds in advance, so that they can
21 begin programs for impacted tribal and local communities before the plant
22 shutdown.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. PLEASE SUMMARIZE YOUR EDUCATIONAL BACKGROUND AND**
2 **PROFESSIONAL QUALIFICATIONS.**

3 **A.** My educational background and relevant employment experience are summarized
4 in PNM Exhibit HEM-1 attached to my testimony. PNM Exhibit HEM-1 also
5 includes a list of cases before the New Mexico Public Regulation Commission
6 (“NMPRC” or the “Commission”) where I have provided testimony.

7
8 **Q. HOW IS YOUR TESTIMONY ORGANIZED?**

9 **A.** Part II of my testimony shows the effect of approving the Consolidated
10 Application on PNM’s retail revenue requirement. This includes PNM’s
11 estimated 2023 fuel and non-fuel revenue requirement that reflect the customer
12 impacts of the shutdown of the coal plant, recovery of the costs of abandonment,
13 replacement resources under PNM’s recommended Scenario 1, and impact to fuel
14 costs as the result of the new resource mix.

15
16 Part III of my testimony details the energy transition costs pursuant to the Energy
17 Transition Act that are proposed to be securitized. These securitized costs
18 include: upfront financing costs; abandonment costs, including undepreciated
19 investment in the San Juan coal plant coal mine reclamation and plant
20 decommissioning costs not previously collected from customer’s, severance and
21 job training for PNM, PNMR and coal mine employees affected by the closure of
22 the coal plant; other costs required to comply with changes in law; and required
23 payments to the Energy Transition Indian Affairs Fund (“Indian Affairs Fund”),

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 the Energy Transition Economic Development Assistance Fund (“Economic
2 Development Fund”) and the Energy Transition Displaced Worker Assistance
3 Fund (“Worker Assistance Fund”) pursuant to Section 16 of the Energy
4 Transition Act.

5
6 Part IV of my testimony supports the accounting entries required for the proposed
7 securitization financing under the Energy Transition Act.

8
9 Part V of my testimony addresses the ratemaking process required to reconcile
10 and collect or refund any difference between the energy transition costs financed
11 by the energy transition bonds and the actual final energy transition costs. I also
12 propose a ratemaking method to account for the reduction of PNM’s cost of
13 service related to the amount of undepreciated investments recovered by the
14 energy transition charge at the time that charge becomes effective.

15
16 Part VI of my testimony shows how the cost of service recovered from ratepayers
17 is affected by the one-time and ongoing costs related to the abandonment of the
18 San Juan coal plant that are not included in the Company’s requested
19 securitization.

20
21 Part VII of my testimony summarizes the recognition of certain costs and benefits
22 through regulatory assets and liabilities that are included in the determination of
23 revenue requirements and requested for approval from the Commission.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 Parts VIII and IX of my testimony present revenue requirements specific to the
2 continued operation of the San Juan coal plant compared with the proposed
3 replacement power resources reflected in PNM’s recommended Scenario 1. This
4 comparison demonstrates a substantial quantifiable net benefit to customers
5 resulting from approval of PNM’s Consolidated Application.

6
7 Part X of my testimony provides comparable revenue requirements for PNM’s
8 Scenarios 2, 3 and 4, as described by PNM Witness Fallgren.

9
10 **II. CUSTOMER IMPACTS OF CONSOLIDATED APPLICATION**

11 **Q. HAS PNM CALCULATED THE IMPACT TO 2023 REVENUE**
12 **REQUIREMENTS FOR CUSTOMERS AS THE RESULT OF THE**
13 **EARLY RETIREMENT OF THE SAN JUAN COAL PLANT?**

14 **A.** Yes. PNM has estimated that the impacts to the 2023 revenue requirement is a
15 benefit to customers of \$83 million as the result of the abandonment of the San
16 Juan coal plant. PNM Table HEM–1 provides a summary of the impacts to the
17 2023 revenue requirements. PNM Witness Settlage provides customer bill
18 impacts based on the impacts to the 2023 revenue requirements.

19

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

PNM Table HEM-1 Summary of Impacts to 2023 Revenue Requirements <i>\$ in millions</i>		
1	(94)	Savings from San Juan coal plant - Continue Operations
2	23	Energy Transition Charge - Securitization
3	(11)	Other Costs Not Included in Energy Transition Charge
4	47	New Owned Resources - Non-Fuel Included in Scenario 1
5	(49)	Fuel Savings Net, Due to Change in Resources
6	(83)	Total

1

2 **Q. HAS PNM IDENTIFIED CUSTOMER BENEFITS FROM FINANCING**
 3 **THE ABANDONMENT OF THE SAN JUAN COAL PLANT USING**
 4 **SECURITIZATION COMPARED TO TRADITIONAL RATE**
 5 **RECOVERY?**

6 **A.** Yes. Financing the abandonment of the San Juan coal plant using securitization
 7 saves customers an estimated additional \$22 million in 2023. These savings are
 8 generated by achieving a favorable credit rating under securitization to finance the
 9 undepreciated investment, which is lower than PNM's traditional weighted
 10 average cost of capital. Without securitization, the savings to customers of \$83
 11 million would have been lowered by \$22 million and would only have been \$61
 12 million. Please see PNM Exhibit HEM-2.

13

14 **Q. HOW DID PNM ESTIMATE THE SAVINGS FROM CLOSURE OF THE**
 15 **SAN JUAN COAL PLANT?**

16 **A.** PNM projected the 2023 non-fuel revenue requirements associated with the
 17 continued operations of the coal plant. PNM utilized 2023 as this is the first full

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 year after the proposed abandonment of the coal plant in June 2022. See Section
2 VIII for further discussion of the revenue requirements related to the San Juan
3 coal plant's continued operations.

4
5 **Q. HAVE CUSTOMERS ALREADY STARTED TO REALIZE SOME OF**
6 **THE ESTIMATED SAVINGS AS THE RESULT OF PNM'S PROPOSED**
7 **ABANDONMENT OF THE SAN JUAN COAL PLANT IN 2022?**

8 **A.** Yes. Since 2015, PNM and the other owners of the coal plant have anticipated
9 the possibility that San Juan Units 1 and 4 could be retired in 2022, when the
10 issue of a possible early retirement was first raised. Accordingly, the owners
11 adjusted the capital spend program and the level of operating costs in anticipation
12 of a possible early retirement. This resulted in significantly lower capital
13 expenditures and operating costs compared to a scenario where the San Juan coal
14 plant continues to operate beyond 2022. PNM reflected those expected cost
15 savings in its cost of service studies that were used to develop the base rates in its
16 last rate case, Case No. 16-00276-UT, resulting in lower rates for customers. As
17 shown in PNM Table HEM-1, the total savings that customers will realize from
18 the early closure of the San Juan coal plant is estimated at \$94 million which
19 includes savings that have already been passed on to customers.

20
21 **Q. PLEASE SUMMARIZE THE REVENUE REQUIREMENTS THAT WILL**
22 **RESULT FROM THE ABANDONMENT OF THE SAN JUAN COAL**
23 **PLANT.**

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **A.** After the San Juan coal plant is shut down and replaced, PNM will revise its
2 revenue requirement to remove the current San Juan coal plant revenue
3 requirement and begin to recover: 1) the Energy Transition Charge to reflect
4 recovery of the ongoing financing costs associated with the energy transition
5 bonds issued to finance the energy transition costs resulting from the
6 abandonment of the San Juan coal plant (as discussed in Section III of my
7 testimony); 2) items related to the abandonment of the San Juan coal plant that are
8 not recovered through the Energy Transition Charge and are reflected in base
9 rates (as discussed in Section VI of my testimony); and 3) the replacement
10 resources as identified in Scenario 1 (as discussed in Section IX of my testimony).

11

12 **Q.** **HAS PNM ACCOUNTED FOR THE CHANGES IN FUEL COSTS AS THE**
13 **RESULT OF ELIMINATING THE SAN JUAN COAL PLANT COAL**
14 **SUPPLY COSTS AND USING THE PROPOSED RESOURCES**
15 **INCLUDED IN SCENARIO 1?**

16 **A.** Yes. PNM has estimated the customer impact as it relates to fuel costs as the
17 result of the abandonment of the coal plant and the addition of the resources
18 included in Scenario 1. This calculation compares the estimated fuel costs in
19 2023 under the San Juan coal plant continued operations portfolio to the fuel costs
20 in 2023 based on the Scenario 1 portfolio, including the costs associated with
21 Purchase Power Agreements (“PPAs”). For further discussion on the
22 development of fuel costs for each scenario, please see the direct testimony of
23 PNM Witness Wintermantel.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

**III. IDENTIFICATION OF ENERGY TRANSITION COSTS TO BE
FINANCED THROUGH THE ISSUANCE OF SECURITIZED BONDS**

Q. PLEASE EXPLAIN WHAT YOU WILL BE COVERING IN THIS SECTION.

A. In this section of my testimony, I discuss the development of the energy transition costs, which are used as an input for the Energy Transition Charge to be collected from customers. The development of the rate design and collection of the Energy Transition Charge is discussed by PNM Witness Settlage.

Q. PLEASE SUMMARIZE THE ENERGY TRANSITION COSTS THAT ARE TO BE FINANCED THROUGH THE SECURITIZED BOND ISSUANCE.

A. The estimated energy transition costs that PNM projects to finance through the securitized bond issuance include: (1) upfront financing costs, which include financing costs as described by PNM Witness Eden, and costs in obtaining an order approving abandonment of the San Juan coal plant; (2) abandonment costs, which include (a) the undepreciated investment of San Juan Units 1 and 4 at June 30, 2022 (excluding balanced draft technology for San Juan Units 1 and 4, and any investments associated with 132 MW, and 65 MW of San Juan Unit 4), (b) coal mine reclamation and plant decommissioning costs that have yet to be collected from customers, and (c) job training and severance expenses for PNM, PNMR Services, and San Juan Coal Company (“SJCC”) coal mine employees affected by the closure of San Juan coal plant; (3) other costs, if any, required to comply with changes in law as provided in Section 2(H)(3) of the Energy

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 Transition Act; and (4) required payments to the Indian Affairs Fund, the
2 Economic Development Fund and the Workers Assistance Fund, which are
3 described by PNM Witnesses Darnell and Eden. PNM Table HEM-2 provides a
4 summary of these energy transition costs that will be financed with the energy
5 transition bonds.

PNM Table HEM-2 Summary of Upfront Energy Transition Costs to be Financed		
<i>\$ in millions</i>		
1	8.7	Upfront Financing Costs - Section 2(H)(1) of the ETA
2	283.0	Undepreciated Investment in San Juan coal plant Units 1 and 4 - Section 2(H)(2)(c)(d)
3	9.4	Coal Mine Reclamation Costs - Section 2(H)(2)(a)
4	19.2	Plant Decommissioning Costs - Section 2(H)(2)(a)
5	11.1	Job Training and Severance Costs for PNMR and PNM Employees - Section 2(H)(2)(b)
6	8.9	Job Training and Severance Costs for Westmoreland Coal Mine Employees - Section 2(H)(2)(b)
7	-	Other Costs Required to Comply with Law Changes After 1/1/19 - Section 2(H)(3)
8	1.8	Payments Made to Indian Affairs Fund - Section 2(H)(4)
9	5.9	Payments Made to Economic Development Fund - Section 2(H)(4)
10	12.1	Payments Made to Workers Assistance Fund - Section 2(H)(4)
11	360.1	Total Upfront Energy Transition Costs

6

7 **A. Upfront Financing Costs**

8 **Q. PLEASE SUMMARIZE THE UPFRONT FINANCING COSTS THAT ARE**
9 **INCLUDED IN THE ENERGY TRANSITION COSTS.**

10 **A.** The estimated upfront financing costs that will be financed through the securitized
11 bond issuance are described in the testimony of PNM Witness Eden and are set
12 forth in PNM Exhibit EAE-2. In addition to the financing costs discussed by
13 PNM Witness Eden, PNM has also estimated the costs necessary to obtain an
14 order approving the abandonment of the San Juan coal plant. See PNM Table

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 HEM-3 below for detail of financing costs included in the upfront energy
2 transition costs.

3

PNM Table HEM-3 Summary of Upfront Financing Costs <i>\$ in millions</i>		
1	6.0	Upfront Financing Costs
2	2.7	Estimated Costs to Obtain Abandonment Order - Section 2(K)(4)
3	8.7	Total Upfront Financing Costs Per PNM Exhibit EAE-2

4

5 **Q. ARE THE COSTS TO OBTAIN AN ORDER APPROVING THE**
6 **ABANDONMENT OF THE SAN JUAN COAL PLANT CONSIDERED**
7 **“FINANCING COSTS” ALLOWED BY THE ETA?**

8 **A.** Yes. PNM included these costs pursuant to the definition of financing costs
9 within the Energy Transition Act. Section 2(K)(4) of the Energy Transition Act
10 states: “any costs, fees and expenses related to issuing, supporting, repaying,
11 servicing, and refunding energy transition bonds, the application for a financing
12 order, including related state board of finance expenses, or obtaining an order
13 approving abandonment of a qualifying generating facility” are properly included
14 as part of the recoverable financing costs.

15

16 **Q. PLEASE SUMMARIZE THE COSTS ESTIMATED IN OBTAINING AN**
17 **ORDER APPROVING ABANDONMENT OF THE SAN JUAN COAL**
18 **PLANT.**

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **A.** PNM estimates \$2.7 million will be incurred to obtain an order approving
2 abandonment of the San Juan coal plant. These costs include external legal
3 counsel, outside consultants who are providing testimony in this proceeding, and
4 administrative costs for witness training, postage, publications, and other costs
5 incurred associated with this proceeding. These costs are summarized in PNM
6 Table HEM-4 below. Please see PNM Exhibit HEM-3 for details of these costs.
7

PNM Table HEM-4 Estimated Costs to Obtain Abandonment Order <i>\$ in millions</i>		
1	0.5	Expert Outside Consultants, Witness Testimony
2	1.7	External Legal Counsel
3	0.5	Other Administrative Costs
4	2.7	Total

8

9 **Q.** **ARE THERE OTHER POTENTIAL COSTS RELATED TO PNM**
10 **OBTAINING AN ABANDONMENT ORDER THAT COULD INCREASE**
11 **THE ESTIMATE IN PNM TABLE HEM-4?**

12 **A.** Yes. For example, if the Commission requires PNM to purchase software and
13 other licenses used in its resource planning modeling for Staff and intervenors, it
14 will add to PNM's costs in this proceeding. PNM's current estimate for the
15 potential cost of such licensing is approximately \$1.1 million which is not
16 included in PNM Table HEM-4 above. Other requirements imposed could also
17 raise the cost of obtaining the abandonment order which would in turn be
18 included for recovery.

19

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. HOW WILL PNM RECORD THE UPFRONT FINANCING COSTS?**

2 **A.** PNM is requesting to establish a regulatory asset for the upfront financing costs
3 incurred ahead of the proceeds received from the energy transition bonds. PNM
4 is not requesting carrying charges on this regulatory asset, as these costs reflect
5 costs incurred to achieve the securitization and abandonment orders, similar to
6 rate case expense that deferred without carrying charges

7

8 ***B. Undepreciated Investment***

9 **Q. HOW DID PNM DETERMINE THE ESTIMATED UNDEPRECIATED**
10 **INVESTMENT THAT IS INCLUDED IN ENERGY TRANSITION**
11 **COSTS?**

12 **A.** PNM started with the net book value of San Juan Units 1 and 4, including
13 common plant as of December 31, 2018¹. PNM excluded the values associated
14 with 65 MW of San Juan Unit 4 as these investments have been excluded from
15 PNM's Retail jurisdiction pursuant to the Modified Stipulation in NMPRC Case
16 No. 13-00390-UT. PNM also excluded the net book value associated with the
17 San Juan Switchyard. PNM does not anticipate retiring the San Juan Switchyard
18 upon the retirement of the coal plant as it will still be used and useful in providing
19 electric service to customers. Finally, PNM excluded any amounts associated

¹ For GAAP financial reporting purposes, as of 12/31/2018, PNM was required to immediately record a regulatory disallowance resulting from the Modified Stipulation in Case No. 13-00390-UT for the projected undepreciated investment at 6/30/2022 associated with 132 MW of SJGS Unit 4. For regulatory accounting purposes, PNM has ignored this disallowance because PNM will continue to include this asset and related operating expenses in rates until the plant is expected to retire June of 2022.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 with the investment of Balanced Draft Technology as the result of the Supreme
2 Court ruling in NMPRC Case No. 15-00261-UT.

3
4 PNM forecasted the capital expenditures from January 1, 2019, through June 30,
5 2022, which increased the net book value. PNM also projected the increase in
6 accumulated depreciation to reflect the ongoing depreciation of the existing assets
7 through June 30, 2022. PNM excluded the June 30, 2022 Asset Retirement Cost
8 (“ARC”) asset balance included in net book value, as these dollars are to be
9 collected as plant decommissioning costs that I discuss later in my testimony.
10 Finally, PNM removed the net book value associated with 132 MW of San Juan
11 Unit 4 pursuant to the Modified Stipulation in Case No. 13-00390-UT. See PNM
12 Table HEM-5 below for the reconciliation of the net book value as of December
13 31, 2018 projected through June 30, 2022.

PNM Table HEM-5 Reconciliation of San Juan Coal Plant Net Book Value <i>\$ in millions</i>		
1	348	Balance at 12/31/18 (Excluding 65MW, Switchyard and Balanced Draft Technology)
2	8	Capital Clearings - January 1, 2019 - June 30, 2022
3	(59)	Increase to Accumulated Depreciation Reserve - January 1, 2019 - June 30, 2022
4	297	Projected Balance at 6/30/22
5	(5)	Removal of Undepreciated ARC at 6/30/22
6	(10)	Removal of Net Book Value of 132 MW Unit 4 at 6/30/22
7	283	Total Undepreciated Investment at June 30, 2022

14

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. HOW WILL PNM RECORD THE UNDEPRECIATED INVESTMENT IN**
2 **THE SAN JUAN COAL PLANT AT THE TIME OF ABANDONMENT?**

3 **A.** PNM is requesting to establish a regulatory asset equal to the undepreciated
4 investment of the San Juan coal plant at the date of abandonment as described
5 above. PNM is not requesting carrying charges on this regulatory asset, as these
6 costs will be recovered through the proceeds of the energy transition bonds.

7

8 **C. *Coal Mine Reclamation Costs***

9 **Q. WHAT IS THE BASIS FOR THE ESTIMATED COAL MINE**
10 **RECLAMATION EXPENSE THAT PNM WILL SEEK RECOVERY FOR**
11 **UPON EARLY RETIREMENT OF THE SAN JUAN COAL PLANT?**

12 **A.** PNM is seeking recovery of :(1) underground coal mine reclamation costs; and 2)
13 costs associated with keeping the surface mine pits open to backfill with coal ash
14 (“ash period costs”). Backfilling with coal ash reduces reclamation costs
15 associated with more costly backfill materials and for disposal of the coal ash in
16 landfills. PNM currently recovers underground mine reclamation costs and ash
17 period costs from customers through accretion expense, which uses a plant and
18 coal mine termination date of 2053. PNM is not seeking recovery of surface mine
19 reclamation costs because prior Commission decisions have capped recovery
20 from customers for these costs. In order to understand PNM’s proposed recovery
21 of the underground mine reclamation cost associated with the early shutdown of

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 the San Juan coal plant it is necessary to discuss PNM's accounting methodology
2 applicable to coal mine reclamation.

3

4 **Q. PLEASE DESCRIBE THE APPLICABLE ACCOUNTING GUIDANCE**
5 **AND PNM'S APPLICATION OF THE GUIDANCE REGARDING COAL**
6 **MINE RECLAMATION.**

7 **A.** PNM accounts for its coal mine reclamation obligation in accordance with
8 Statement of Financial Accounting Concept No. 7 ("CON7"), which applies to the
9 use of cash flows information and present value in accounting measurements. In
10 accordance with CON7, PNM calculates its share of the estimated cash flows
11 required to reclaim the underground mine and then escalates the cash flows. The
12 escalated cash flows are then discounted using a risk-free incremental borrowing
13 rate to determine the present value of the reclamation liability and the appropriate
14 annual accretion expense.

15

16 **Q. HOW DID PNM DETERMINE THE COST ASSOCIATED WITH**
17 **ACCELERATING THE DATE FOR UNDERGROUND COAL MINE**
18 **RECLAMATION FROM 2053 TO 2022?**

19 **A.** PNM obtained estimated cash flows from two separate reclamation studies
20 performed by Golder Associates in 2018, one which applied a plant and coal mine
21 closure in 2053 (the "2053 Study") and one which applied a plant and coal mine
22 closure in 2022 (the "2022 Study"). Prior to December 31, 2018, PNM's coal
23 mine reclamation liability on its books and records reflected cash flow

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 assumptions based on the 2053 Study equaling \$14.6 million. On December 31,
2 2018, PNM determined that a 2022 shutdown was probable and therefore adjusted
3 its reclamation liability to apply the cash flow assumption in the 2022 Study, with
4 a present value of \$23.2 million. The increase in the reclamation liability of \$8.6
5 million represents the costs associated with the earlier date for underground coal
6 mine reclamation. Likewise, PNM adjusted its ash period cost liability as of
7 December 31, 2018. Prior to the adjustment PNM's ash period cost liability
8 (based on the 2053 Study) on its books and records equaled \$4.0 million. Under
9 the 2022 Study, PNM's ash period cost liability increased \$0.8 million to \$4.8
10 million. PNM Table HEM-6 provides a summary of the change in the
11 underground coal mine reclamation liability. Please see PNM Exhibit HEM-4 for
12 cash flows provided in the 2053 Study (pages 1 of 4 and 2 of 4) and in the 2022
13 Study (pages 3 of 4 and 4 of 4). Also see PNM Exhibit HEM-5 for key
14 assumptions used to measure the present value of the cash flows in both the 2053
15 Study and the 2022 Study.

16

PNM Table HEM-6 Coal Mine Reclamation Liability (excluding surface mine) at 12/31/18 <i>\$ in thousands</i>					
	Underground	Ash Period Costs	Total		
1 Reclamation Liability - 2053 Study	14,603	3,991	18,594		A
2 Reclamation Liability - 2022 Study	23,208	4,760	27,968		B
3 Increase in Reclamation Liability	8,605	769	9,374		C=B-A

17

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. PLEASE DISCUSS WHY THE RECLAMATION LIABILITY**
2 **INCREASED AS A RESULT OF THE 2022 SHUTDOWN.**

3 **A.** The underlying cost assumptions and scope of reclamation work are substantially
4 similar in both the 2022 Study and 2053 Study regarding the underground mine.
5 The increase in the underground mine reclamation liability is the result of the
6 accelerated timing of the cash flows and the time value of money. The 2053
7 Study applied the bulk of the cash to be spent on reclamation after shutdown
8 between 2053 and 2057, which when discounted back to the present value is
9 significantly lower than the present value of cash flows in the 2022 Study, which
10 applies the bulk of the cash to be spent on reclamation after shutdown between
11 2023 and 2028. As I discuss above, PNM is currently recovering underground
12 reclamation costs through accretion expense, which would have allowed PNM to
13 recover the costs necessary to perform reclamation work in the future over a
14 longer period of time. However, given the accelerated payments in the 2022
15 Study, PNM will need to recover the costs over a shorter period.

16
17 **Q. OF THE TOTAL UNDERGROUND COAL MINE RECLAMATION**
18 **COST, WHAT HAS PNM ALREADY COLLECTED AND WHAT DOES**
19 **PNM PROJECT TO COLLECT FROM CUSTOMERS?**

20 **A.** Customers have paid for the amounts reflected in the underground coal mine
21 reclamation liability (excluding the surface mine), or \$18.6 million plus an
22 additional \$0.7 million in payments for underground mine reclamation. The
23 reclamation liability decreases when PNM makes payments to the mine for

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 reclamation work. Therefore, customers have paid \$19.3 million (\$18.6 million +
2 \$0.7 million). The balance in the reclamation liability of \$18.6 million represents
3 amounts collected from customers not yet spent for reclamation work. Based on
4 the 2022 Study, PNM would have needed to collect \$28.0 million for future
5 underground reclamation costs at the end of 2018.

6
7 **Q. IS PNM SEEKING TO RECOVER THE INCREASE IN THE COAL MINE**
8 **RECLAMATION LIABILITY AS THE RESULT OF ACCELERATING**
9 **THE COAL MINE RECLAMATION?**

10 **A.** Yes. PNM is requesting recovery for a regulatory asset for the additional \$9.4
11 million (\$28.0 million less \$18.6 million), which represents coal mine reclamation
12 costs (excluding surface mine) not yet collected from customers. PNM is not
13 requesting carrying charges on this regulatory asset as these expenses are non-
14 cash.

15
16 **Q. HOW WILL PNM RECOVER ACCRETION EXPENSE RELATED TO**
17 **UNDERGROUND COAL MINE RECLAMATION COSTS UNTIL THE**
18 **SAN JUAN COAL PLANT IS ABANDONED?**

19 **A.** PNM will continue to include accretion expense associated with the underground
20 coal mine reclamation, including ash period costs, as part of its cost of service
21 studies. Upon abandonment, PNM will no longer include future accretion
22 expense in rates.

23

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. WILL PNM SEEK RECOVERY OF FUTURE COAL MINE**
2 **RECLAMATION ACCRETION EXPENSE AFTER ABANDONMENT,**
3 **SINCE PNM HAS NOT COLLECTED THAT EXPENSE FROM**
4 **CUSTOMERS?**

5 **A.** PNM has established a coal mine reclamation trust to set aside money for future
6 reclamation work. PNM estimates that earnings from the trust would offset future
7 accretion expense; therefore, PNM does not anticipate a need to collect any future
8 costs associated with underground coal mine reclamation after the San Juan coal
9 plant is abandoned in 2022. However, if final coal mine reclamation costs are
10 higher or earnings from the trust are not sufficient to cover future expense, which
11 would result in additional funding requirements, PNM will seek future recovery
12 of these additional funding requirements of the trust. If final coal mine
13 reclamation costs are lower or earnings from the trust exceed future accretion
14 costs, then PNM similarly will provide for refunds of these amounts back to
15 customers. The proposed ratemaking for differences in the estimated compared to
16 final costs are covered in Section V of my testimony.

17

18 **Q. ALTHOUGH NOT BEING REQUESTED FOR ADDITIONAL**
19 **RECOVERY, CAN YOU PROVIDE A SUMMARY OF ESTIMATED**
20 **TOTAL SURFACE COAL MINE RECLAMATION COST INCURRED TO**
21 **DATE?**

22 **A.** In PNM Table HEM-7 below I show PNM's currently recovered surface mine
23 reclamation costs and amounts remaining to be recovered through August 2020,

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 which the Commission has capped. In addition, I show the total cash payments
2 PNM has made to date and payments made in excess of the cap ordered by the
3 Commission. Any future surface mine reclamation payments are borne by PNM
4 and are not included in customer rates.

PNM Table HEM-7 Surface Mine Recovery <i>\$ in thousands</i>			
1	Recovery through 6/30/19	82,964	A
2	Remaining recovery (July 2019 - August 2020)	6,113	B
3	Capped Recovery	89,077	C=A+B
4	Reclamation cash payments through May 2019	110,413	D
5	Amount in Excess of cap through May 2019	21,336	D-C

5

6 ***D. Plant Decommissioning Costs***

7 **Q. WHAT IS THE BASIS FOR RECOVERING PLANT**
8 **DECOMMISSIONING COSTS INCLUDED IN THE SECURITIZATION**
9 **FINANCING?**

10 **A.** PNM is seeking recovery of those plant decommissioning costs associated with
11 the early shutdown of the San Juan coal plant in 2022, which have not yet been
12 collected from customers through existing depreciation and accretion expense. In
13 order to understand PNM's proposed recovery of the plant decommissioning cost
14 associated with the early shutdown in 2022 it is necessary to discuss PNM's
15 accounting methodology and recovery applicable to plant decommissioning.

16

17 **Q. PLEASE DESCRIBE THE APPLICABLE ACCOUNTING GUIDANCE**
18 **AND PNM'S APPLICATION OF THE GUIDANCE REGARDING PLANT**
19 **DECOMMISSIONING.**

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **A.** PNM accounts for the plant decommissioning as an Asset Retirement Obligation
2 (“ARO”) in accordance with GAAP, Accounting Standards Codification (“ASC”)
3 410-20. AROs are legal obligations to retire a tangible long lived asset in the
4 future, based on cost estimates for the retirement of the asset and the settlement of
5 the obligation. Typically, these cost estimates are provided as cash flows in
6 current dollars, which are escalated to the settlement date of the retirement
7 obligation using an appropriate escalation rate. The escalated cash flow estimates
8 are then discounted using the current credit adjusted risk free rate to determine the
9 present value of the legal obligation to retire the tangible long lived asset. A
10 corresponding Asset Retirement Cost asset is capitalized by adjusting the carrying
11 amount of the related tangible long-lived asset by the same amount as the ARO
12 liability. The ARC asset is depreciated on a straight-line basis over the life of the
13 retirement obligation. Accretion expense is recorded to recognize the time value
14 of money, with an offset recorded as an increase to the ARO liability. Accretion
15 expense is calculated by multiplying the present value of the ARO liability by the
16 credit adjusted risk free rate originally used to discount the escalated cash flow
17 estimates to their present value.

18

19 If the facts and circumstances of an existing ARO change or the Company
20 receives a new cost estimate for its AROs, both the ARO liability and the ARC
21 are adjusted by recording a new ARO layer in the same manner as described
22 above.

23

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. WHAT DOES PNM CURRENTLY RECOVER FROM CUSTOMERS FOR**
2 **SAN JUAN PLANT DECOMMISSIONING?**

3 **A.** PNM currently recovers plant decommissioning costs through accretion expense
4 based on a cost study performed in 2014 by Black & Veatch² and a plant closure
5 date of 2053. PNM also recovers depreciation expense on the ARC asset.
6

7 **Q. HAS PNM UPDATED ITS SAN JUAN PLANT DECOMMISSIONING**
8 **ESTIMATES TO REFLECT AN EARLY RETIREMENT IN 2022?**

9 **A.** Yes. PNM obtained new cost estimates in 2019 based on a study performed by
10 Burns & McDonnell and supported by PNM Witness Fallgren. As discussed by
11 PNM Witness Fallgren, estimated costs of initial decommissioning activities have
12 increased from previous determinations. Upon final agreement of the owners on
13 decommissioning activities, the owners of the San Juan coal plant are required to
14 fund their share of decommissioning into a trust, prior to closure in 2022.
15

16 **Q. CAN YOU PLEASE SUMMARIZE THE IMPACT OF THE INCREASE**
17 **OF THE NEW BURNS & MCDONNELL STUDY AFTER APPLICATION**
18 **OF ASC 410-20?**

19 **A.** Yes. PNM's current ARO liability was \$9.0 million as of April 30, 2019, and the
20 undepreciated ARC asset balance totaled \$5.1 million. The present value of

² PNM contracted with Bohannon Huston to update its pond closure cost estimates in 2017 to include changes in the San Juan Pond Closure Plan dated June 2015 in accordance with Discharge Permit DP-1327. PNM reflected these updates on its books and records in 2017. References to PNM's books and records incorporating the cost estimates under the 2014 Black & Veatch Study include the update to pond closure cost estimates provided by Bohannon Huston in 2017.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 PNM's share of the future cash flows in the new Burns & McDonnell cost
2 estimate equaled \$21.8 million. Therefore, PNM is required to increase the ARO
3 liability by \$12.8 million (\$21.8 million - \$9.0 million). In addition, the ARC
4 asset would increase by \$12.8 million to \$17.9 million (\$12.8 million + \$5.1
5 million). Between May 2019 and the 2022 shutdown the ARO liability would
6 accrete up to \$25.1 million and the ARC would depreciate down to \$15.2 million.
7 Accretion expense more than doubles (\$1.7 million increase) as a result of the
8 2022 shutdown. Under the 2014 Black & Veatch Study and assumed closure in
9 2053, accretion expense equaled \$1.6 million between May 2019 through
10 shutdown, which is assumed to be recovered in rates. Accretion expense over the
11 same period will increase to \$3.3 million with the new cost estimate provided by
12 Burns & McDonnell. In addition, depreciation expense on the ARC asset
13 increases \$2.3 million from May 2019 through shutdown as a result of the new
14 plant decommissioning study from \$0.4 million currently assumed to be
15 recovered in rates to \$2.7 million over the same period.

16
17 **Q. WHAT PLANT DECOMMISSIONING COSTS ARE PNM PROPOSING**
18 **TO RECOVER AS A RESULT OF THE EARLY RETIREMENT OF THE**
19 **SAN JUAN COAL PLANT?**

20 **A.** PNM is proposing to recover \$19.2 million in plant decommissioning costs
21 through securitization financing, determined as follows:

- 22 • Recovery of the undepreciated ARC asset, recorded in plant-in-service
23 estimated to be \$15.2 million at June 30, 2022.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

- 1 • Recovery of \$4.0 million in the incremental accretion (\$1.7 million
2 increase) and depreciation expense (\$2.3 million increase) resulting from
3 the early retirement. PNM is requesting to establish a regulatory asset for
4 the incremental accretion and depreciation expense to be incurred as the
5 result of the new plant decommissioning study from May 2019 through
6 the abandonment of the San Juan coal plant and for the undepreciated
7 ARC asset. PNM is not requesting carrying charges on this regulatory
8 asset, as these expenses represent non-cash expenses.

9 Please see PNM Exhibit HEM-6 for a schedule of future accretion and
10 depreciation expense related to plant decommissioning costs.

11
12 **Q. HOW WILL PNM RECOVER ACCRETION EXPENSE AND**
13 **DEPRECIATION EXPENSE RELATED TO PLANT**
14 **DECOMMISSIONING COSTS UNTIL THE SAN JUAN COAL PLANT IS**
15 **ABANDONED?**

16 **A.** PNM will continue to include accretion expense and depreciation expense
17 associated with the plant decommissioning costs based on amounts currently
18 included in rates (based on the study prior to early abandonment). As PNM has
19 requested a regulatory asset for the incremental accretion and depreciation
20 expense related to the new study, PNM will not include these amounts in its cost
21 of service studies while the San Juan coal plant is still in operation and being
22 recovered in base rates. Upon abandonment, PNM will no longer include future
23 accretion expense or depreciation expense related to the ARC asset in rates.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. UNDER WHAT CIRCUMSTANCES WOULD PNM SEEK RECOVERY**
2 **OF FUTURE PLANT DECOMMISSIONING EXPENSE AFTER**
3 **ABANDONMENT, IF PNM HAS NOT ALREADY COLLECTED THAT**
4 **EXPENSE FROM CUSTOMERS?**

5 **A.** PNM will establish a plant decommissioning trust to set aside money for future
6 plant decommissioning work. PNM estimates that earnings from the trust would
7 offset future accretion expense; therefore, PNM does not anticipate a need to
8 collect any future accretion expense associated with plant decommissioning costs
9 after the San Juan coal plant is abandoned in 2022. However, if final plant
10 decommissioning costs are higher or earnings from the trust are not sufficient to
11 cover future expense, which would result in additional funding requirements,
12 PNM will seek recovery of these additional funding requirements to the trust. If
13 final plant decommissioning costs are lower or earnings from the trust exceed
14 future costs, then PNM will refund these amounts to customers. The proposed
15 ratemaking for differences in the estimated cost compared to final costs are
16 covered in Section V of my testimony.

17

18 ***E. Job Training and Severance Costs***

19 **Q. PLEASE SUMMARIZE THE JOB TRAINING AND SEVERANCE COSTS**
20 **REQUESTED IN THE ENERGY TRANSITION COSTS.**

21 **A.** PNM is requesting recovery of \$20 million for severance costs and job training
22 expenses for employees affected by the abandonment of the San Juan coal plant

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 pursuant to Section 2(H)(2)(b) of the Energy Transition Act. PNM has quantified
2 a total of \$20.6 million of costs expected to be incurred. PNM is requesting
3 recovery of \$20 million as provided by the Energy Transition Act. See PNM
4 Table HEM-8 below for a summary of job training and severance costs requested.

5

PNM Table HEM-8 Summary of Job Training and Severance Cost <i>\$ in millions</i>	
1	10.4 PNM/PNMR Severance
2	1.3 PNM Job Training
3	7.4 Coal Mine Employees Severance
4	1.5 Coal Mine Employees Job Training
5	20.6 Total Training and Severance Cost
6	20.0 Cap Pursuant to Energy Transition Act
7	0.6 Amount Over Cap (Not Requested for Recovery)

6

7 **Q. WHAT IS THE BASIS FOR THE ESTIMATED PNM AND PNMR**
8 **SERVICES EMPLOYEE SEVERANCE EXPENSES THAT PNM WILL**
9 **SEEK RECOVERY OF UPON EARLY RETIREMENT OF THE SAN**
10 **JUAN COAL PLANT?**

11 **A.** PNM has estimated \$10.4 million in severance costs for employees that are
12 expected to be impacted as the result of the early shutdown of the San Juan coal
13 plant. The severance cost estimates are based on PNM’s current severance pay
14 plan for union and non-union employees. The severance costs include the
15 severance pay, associated payroll taxes, and six months of medical and dental
16 coverage and life insurance premiums. PNM currently estimates 168 employees
17 at the San Juan coal plant and 12 employees of PNMR Services that support the

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 San Juan coal plant will be eligible for severance benefits. See PNM Exhibit
2 HEM-7.

3

4 **Q. WHAT ARE THE JOB TRAINING EXPENSES FOR PNM EMPLOYEES**
5 **AFFECTED BY THE ABANDONMENT OF THE SAN JUAN COAL**
6 **PLANT?**

7 **A.** PNM estimates \$1.3 million for job training costs for employees affected by the
8 abandonment of the San Juan coal plant. PNM expects to incur these costs
9 beginning in 2019 through the time of abandonment of the San Juan coal plant.
10 PNM estimated these costs assuming \$8,000 per employee.

11

12 **Q. HOW WILL PNM RECORD THE PAYMENTS MADE FOR SEVERANCE**
13 **AND JOB TRAINING COSTS FOR PNM AND PNMR SERVICES**
14 **EMPLOYEES?**

15 **A.** With Commission approval, PNM intends to fund job training costs in advance of
16 the abandonment. PNM is requesting to establish a regulatory asset in an amount
17 equal to the payments made for job training costs prior to the issuance and receipt
18 of the proceeds from the energy transition bonds. PNM is requesting to recover
19 carrying charges on these advance payments, at PNM's currently approved
20 weighted average cost of capital ("WACC"). See Section VI of my testimony for
21 proposed recovery of these carrying charges in base rates. PNM intends to make
22 severance payments for its employees at or near the same time that the proceeds
23 from the energy transition bonds are received. For any severance costs incurred

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 prior to the issuance of the energy transition bonds, PNM also proposes to record
2 these costs to the regulatory asset, and will record any applicable carrying charges
3 only for the time period between when the payments are made and proceeds from
4 the energy transition bonds are received.

5
6 **Q. WHAT COSTS ARE BEING REQUESTED BY PNM FOR SEVERANCE
7 AND JOB TRAINING COSTS FOR EMPLOYEES OF THE SAN JUAN
8 COAL COMPANY COAL MINE?**

9 **A.** PNM is requesting a total of \$8.9 million, comprised of \$1.5 million to be
10 provided to a state agency for job training for these employees, with \$7.4 million
11 in severance costs for 185 employees of the San Juan Coal Company coal mine to
12 be provided to a third-party trust. PNM estimated the job training costs at \$8,000
13 per employee times 185 SJCC coal mine employees. PNM estimated the \$7.4
14 million in severance costs based on 6 months' additional severance above any
15 severance paid by SJCC, for these 185 employees, with an assumed annual salary
16 of \$80,000 (\$80,000 divided by 12 months times 6 times 185 employees). PNM
17 does not anticipate to true-up these payments. Please refer to the testimony of
18 PNM Witness Darnell, for further discussion of these funds.

19
20 **Q. HOW WILL PNM RECORD THE PAYMENTS MADE FOR SEVERANCE
21 AND JOB TRAINING COSTS FOR EMPLOYEES OF SJCC?**

22 **A.** With Commission approval, PNM intends to fund both the severance and job
23 training costs for coal mine employees in advance of the abandonment of the San

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 Juan coal plant and issuance of the energy transition bonds. PNM is requesting to
2 establish a regulatory asset in an amount equal to the payments made for
3 severance and job training costs prior to the issuance and receipt of the proceeds
4 from the energy transition bonds. PNM is requesting to recover carrying charges
5 on these advance payments, at PNM's currently approved WACC. See Section
6 VI of my testimony for proposed recovery of these carrying charges in base rates.

7

8 ***F. Other Costs Required by Changes in Law***

9 **Q. HAS PNM IDENTIFIED ANY OTHER COSTS REQUIRED BY**
10 **CHANGES IN LAW AFTER JANUARY 1, 2019, AS CONTEMPLATED IN**
11 **SECTION 2(H)(3) OF THE ETA?**

12 **A.** No. At this time, PNM is not aware of any additional costs expected to be
13 incurred as required by changes in law after January 1, 2019. In the event PNM
14 identifies any costs related to changes in law subsequent to the issuance of a
15 financing order for the energy transition bonds, there are provisions for PNM to
16 seek an amendment to the financing order to include those additional charges in
17 the energy transition bond financing, in accordance with Section 7(B)(2) of the
18 Energy Transition Act.

19

20 ***G. Payments Made to State Agencies***

21 **Q. WHAT ARE THE COSTS ESTIMATED FOR PAYMENTS MADE TO**
22 **STATE AGENCIES AS REQUIRED UNDER SECTION 16 OF THE**

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **ENERGY TRANSITION ACT AND CONSIDERED ENERGY**
2 **TRANSITION COSTS UNDER SECTION 2(H)(4) OF THE ENERGY**
3 **TRANSITION ACT?**

4 **A.** Pursuant to Section 16(J) of the Energy Transition Act , PNM shall transfer the
5 following percentages of the financed amount of the energy transition bonds:
6 one-half percent (0.5%) to the Indian Affairs Fund, one and sixty-five hundredths
7 percent (1.65%) to the Economic Development Fund, and three and thirty-five
8 hundredths percent (3.35%) to the Workers Assistance Fund. As discussed by
9 PNM Witness Eden, the total payments expected to be transferred to the state
10 agencies pursuant to Section 16 of the Energy Transition Act is just under \$20
11 million.

12

13 **Q.** **HOW WILL PNM RECORD THE PAYMENTS MADE TO THE STATE**
14 **AGENCIES UNDER SECTION 16 OF THE ENERGY TRANSITION**
15 **ACT?**

16 **A.** As discussed by PNM Witness Darnell, PNM intends to make 25% of the
17 payments available to the state agencies on January 1, 2021 prior to the issuance
18 of the energy transition bonds, if approved by the Commission. The remaining
19 payments will be transferred to the agencies within 30 days of receipt of the
20 proceeds from the bonds. PNM is requesting to establish a regulatory asset in an
21 amount equal to the advanced payments made to the state agencies prior to the
22 issuance and receipt of the proceeds from the energy transition bonds. PNM is
23 requesting to recover carrying charges on these advance payments, at PNM's

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 currently approved WACC. See Section VI of my testimony for proposed
2 recovery of these carrying charges in base rates.

3
4 **IV. ACCOUNTING FOR THE SECURITIZATION FINANCING**

5 **Q. PLEASE DESCRIBE THE OVERALL ACCOUNTING TREATMENT**
6 **FOR THE SECURITIZATION FINANCING UNDER THE ETA.**

7 **A.** As discussed by PNM Witnesses Eden and Atkins, PNM will create a Special
8 Purpose Entity (“SPE”) to obtain securitization financing. The SPE will exist
9 for the limited purpose of issuing energy transition bonds as authorized under
10 the ETA. The SPE will be a wholly owned subsidiary of PNM. The SPE and
11 PNM will maintain separate accounting records. The accounting entries
12 necessary to establish the SPE and the associated ongoing activities for the SPE
13 and PNM related to the securitization financing are provided in PNM Exhibit
14 HEM8 and PNM Exhibit HEM-9.

15
16 **Q. WHAT ARE THE ANTICIPATED ACCOUNTING ENTRIES TO BE**
17 **RECORDED AT THE SPE?**

18 **A.** As illustrated on PNM Exhibit HEM-8, the accounting entries to be recorded by
19 the SPE are as follows: (1) recording of capital from PNM initial investment; (2)
20 recording of proceeds from the issuance of bonds; (3) purchase of energy
21 transition property from PNM; (4) receipt of cash from PNM and recognition of
22 revenue for the Energy Transition Charges collected; (5) amortization of the

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 energy transition property; (6) accrual of interest expense; (7) amortization of
2 upfront bond issuance costs; (8) payment of bond principal and interest; (9)
3 recording of on-going operating costs and servicing fees payable; (10)
4 replenishment of capital investment through the Energy Transition Charges, if
5 needed; (11) return impacts on the capital subaccount; and (12) transfer of cash in
6 the event excess Energy Transition Charges is collected, if any.

7
8 **Q. WILL PNM SELL THE ENERGY TRANSITION PROPERTY**
9 **CREATED BY THE FINANCING ORDER TO THE SPE?**

10 **A.** Yes. PNM will sell the energy transition property created in the Financing
11 Order to the SPE. Under the Energy Transition Act , the energy transition
12 property will be the rights and interests of PNM, or the SPE as assignee under
13 the Financing Order, including the right to impose, charge, collect and receive
14 energy transition charges in an amount necessary to provide for full payment
15 and recovery of all energy transition costs identified in the Financing Order,
16 including all revenues or other proceeds arising from those rights and interests.
17 The energy transition property also includes the right to obtain periodic
18 adjustments to the Energy Transition Charges as provided in the Financing
19 Order and the Energy Transition Act. The SPE will use a portion of the
20 proceeds of the energy transition bonds to pay the purchase price for the energy
21 transition property. Additionally, any paid or accrued upfront financing costs
22 will be included in the bond financing at the SPE.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. HOW WILL THE SPE AMORTIZE THE ENERGY TRANSITION**
2 **PROPERTY?**

3 **A.** The SPE will amortize the energy transition property based on the principal
4 amount required for the repayment of the bonds over the expected life of the
5 bonds.

6

7 **Q. HOW WILL THE SPE RECOVER THE ONGOING FINANCING COSTS**
8 **ASSOCIATED WITH THE ENERGY TRANSITION BONDS?**

9 **A.** Following the issuance of the energy transition bonds, the ongoing financing costs
10 associated with the bonds will be recovered through the Energy Transition
11 Charges. The ongoing financing costs are energy transition costs and include
12 payment of principal and interest on the bonds, as described in more detail by
13 PNM Witness Atkins, and payment of other ongoing financing costs, including
14 servicing fees, administration costs, auditing fees, legal fees, rating agency
15 surveillance fees, trustee fees, independent director or manager fees, the return on
16 the invested capital, and other miscellaneous fees and expenses, as discussed in
17 more detail by PNM Witness Eden.

18

19 **Q. HOW WILL THE SPE ACCOUNT FOR THE DIFFERENCE BETWEEN**
20 **ITS EXPENSES AND THE REVENUES COLLECTED FROM PNM?**

21 **A.** Each month, the SPE will compare its total expenses, including the amortization
22 of the energy transition property, amortization of bond issuance costs, interest
23 expenses, and ongoing costs and servicing fees, to its total revenues and the

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 difference will be deferred as either a regulatory asset or a regulatory liability, to
2 serve as a balancing account for the SPE. The differences that occur in the
3 balancing account for the SPE will be trued-up periodically as part of the True-Up
4 Adjustment Mechanism as described by PNM Witness Settlement.

5

6 **Q. WHAT ARE THE ANTICIPATED ACCOUNTING ENTRIES TO BE**
7 **RECORDED AT PNM?**

8 **A.** As illustrated on PNM Exhibit HEM-9, the accounting entries to be recorded
9 by PNM are as follows: (1) recording of expenditure of cash to fund the capital at
10 the SPE; (2) sale of the energy transition property to the SPE; (3) payments to
11 state agencies; (4) recognition and collection of Energy Transition Charges, (5)
12 recording of servicing fees and costs billed to the SPE; and (6) impact of earnings
13 on the capital investment sub account of the SPE.

14

15 **Q. HOW WILL THE ENERGY TRANSITION CHARGES COLLECTED**
16 **FROM CUSTOMERS BE RECORDED?**

17 **A.** The Energy Transition Charge collections will be remitted to and recorded as
18 revenues at the SPE.

19

20 **Q. PLEASE EXPLAIN THE PERIODIC REVENUE REQUIREMENT**
21 **REFERENCED IN THE TESTIMONY OF PNM WITNESS SETTLEMENT.**

22 **A.** The “Periodic Revenue Requirement” represents the amount of revenues the
23 SPE will need to receive from collections of energy transition charges over a

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 specified period to satisfy scheduled payments of principal and interest on the
2 energy transition bonds and to pay its other ongoing financing costs over such
3 period, as adjusted to take into account any over-or under-collection in the prior
4 period. As discussed in the testimony of PNM Witness Settlage, the Periodic
5 Revenue Requirement will be estimated for “Remittance Periods” that are
6 generally six months in length, beginning on each debt service payment date
7 and ending on the day preceding the next debt service payment date. The first
8 Remittance Period will begin on the issuance date of the energy transition
9 bonds and end on the day immediately preceding the first debt service
10 payment. The first debt service payment is expected to be approximately nine
11 months from the date of issuance of the bonds, based on the testimony of PNM
12 Witness Atkins. During the last two years preceding the final maturity date of
13 the energy transition, the Periodic Revenue Requirement will be estimated over
14 three-month Remittance Periods.

15

16 **Q. PLEASE EXPLAIN THE PERIODIC BILLING REQUIREMENT**
17 **REFERENCED IN THE TESTIMONY OF PNM WITNESS SETTLAGE.**

18 **A.** The “Periodic Billing Requirement” represents the amount of energy transition
19 charges that must be assessed during a Remittance Period to collect the Periodic
20 Revenue Requirement for the Remittance Period. The Periodic Billing
21 Requirement accounts for collection lag and uncollectible amounts. For each
22 Remittance Period, PNM will estimate the timing of collections of energy

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 transition charges based on a weighted average balance of days outstanding on
2 PNM’s customer bills. For example, if there were seven billing months in the
3 initial Remittance Period and a 30-day weighted average balance of days on
4 PNM’s bills, PNM would only expect to receive during the Remittance Period
5 payments on the amounts billed during the first six months of the Remittance
6 Period. PNM also will estimate an uncollectable amount.

7
8 As described in the testimony of PNM Witness Settlage, the Periodic Billing
9 Requirement for each Remittance Period will then be allocated to customer
10 classes and rate schedules and energy transition charges will be calculated and
11 determined for customers in each rate schedule.

12
13 **V. PROPOSED RATEMAKING UNDER SECTION 4(B), PARTS 10 AND 11**
14 **OF THE ENERGY TRANSITION ACT**

15 **Q. WHAT DOES THE ENERGY TRANSITION ACT PROVIDE WITH**
16 **RESPECT TO PROPOSED RATEMAKING FOR ENERGY TRANSITION**
17 **COSTS?**

18 **A.** Section 4, Part B(10) of the Energy Transition Act states that a utility application
19 shall provide “a description of a proposed ratemaking process to reconcile and
20 recover or refund any difference between the energy transition costs financed by
21 the energy transition bonds and the actual final energy transition costs incurred by
22 the qualifying utility or the assignee”.

23

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. WHAT IS PNM'S PROPOSED RATEMAKING PROCESS PURSUANT**
2 **TO SECTION 4, PART B(10) OF THE ENERGY TRANSITION ACT?**

3 **A.** PNM will track and reconcile each component of the energy transition costs listed
4 earlier in my testimony. Any difference between the amounts financed by the
5 energy transition bonds and the final actual energy transition costs will be
6 deferred and recorded to either a regulatory asset (if the actual final energy
7 transition costs are greater than the estimated energy transition costs) or a
8 regulatory liability (if the actual final energy transition costs are less than the
9 estimated energy transition costs).

10

11 **Q. HOW DOES PNM PROPOSE TO COLLECT OR REFUND THE**
12 **AMOUNTS RECORDED AND DEFERRED TO THE REGULATORY**
13 **ASSET OR REGULATORY LIABILITY?**

14 **A.** PNM will include the amortization of the regulatory asset or regulatory liability in
15 its next general rate case, after the final energy transition costs are known. PNM
16 will propose to collect or refund the differences over the remaining life of the
17 energy transition bonds. PNM will include the unamortized balance of the
18 regulatory asset or regulatory liability in rate base in its general cost of service
19 studies, to compensate PNM or its customers for the time value of money. For
20 example, if there is a regulatory liability, then PNM would include this as a
21 reduction to rate base which lowers the customers' overall costs and revenue
22 requirement, to reflect that customers are paying more through the Energy
23 Transition Charge and should be compensated for the amounts that are due to be

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 refunded to customers. PNM would request the same treatment for a regulatory
2 asset; PNM would include as an increase to rate base, which increases costs and
3 revenue requirements to reflect that customers are paying less through the Energy
4 Transition Charge and PNM should be compensated for the amounts that are still
5 to be collected from customers.

6
7 **Q. ARE THERE CARRYING CHARGES ASSOCIATED WITH THESE**
8 **REGULATORY ASSETS AND LIABILITIES?**

9 **A.** Yes. To compensate both customers and PNM for any difference between
10 amounts financed through the securitization bond issuance, and the final actual
11 energy transition costs incurred by PNM, PNM will record carrying charges.
12 PNM proposes to record carrying charges based on its then currently approved
13 after-tax WACC. Once the regulatory asset or regulatory liability is reflected in
14 rate base in PNM's general rate case cost of service study, PNM will terminate
15 the calculation of carrying charges as the unamortized balance will be included in
16 rate base.

17
18 **Q. DOES THE ENERGY TRANSITION ACT PROVIDE FOR A COST OF**
19 **SERVICE ADJUSTMENT ONCE THE ENERGY TRANSITION CHARGE**
20 **IS APPLIED TO CUSTOMER BILLS?**

21 **A.** Yes, it does. Section 4, Part B(11) of the Energy Transition Act states that a
22 utility's application must include "a proposed ratemaking method to account for
23 the reduction in the qualifying utility's cost of service associated with the amount

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 of undepreciated investments being recovered by the Energy Transition Charge at
2 the time that charge becomes effective”.

3

4 **Q. WHAT IS PNM’S PROPOSED RATEMAKING PROCESS PURSUANT**
5 **TO SECTION 4, PART B(11) OF THE ENERGY TRANSITION ACT?**

6 **A.** Upon abandonment, the SPE will issue the Energy Transition Bonds. If PNM
7 begins to collect the Energy Transition Charge from customers and has not
8 adjusted its base rates charged to customers in a general rate case to reflect the
9 retirement and abandonment of the San Juan coal plant, then PNM will record as
10 a regulatory liability the revenue requirements associated with the undepreciated
11 investment of the San Juan coal plant equal to the amount financed through the
12 issuance of energy transition bonds. PNM will calculate the revenue requirements
13 reflecting a return on and return of the amount financed related to the
14 undepreciated investment of the San Juan coal plant. PNM will defer these
15 amounts for as long as the San Juan coal plant is no longer used and useful and
16 abandoned, PNM is collecting the Energy Transition Charge, and has not adjusted
17 its base rates to reflect the removal of the undepreciated investment in customer’s
18 rates.

19

20 **Q. HOW DOES PNM PROPOSE TO REFUND THE AMOUNTS RECORDED**
21 **AND DEFERRED TO THIS REGULATORY LIABILITY?**

22 **A.** PNM will include the amortization of the regulatory liability in its general rate
23 case that reflects the removal of the net book value of the San Juan coal plant

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 from customers' rates. PNM will propose an amortization period for these costs
2 in its next general rate case, once the final amounts are known. PNM is not
3 requesting approval of an amortization period at this time, as the final amounts, if
4 any, are dependent on the relative timing of the bond issuance and the rate case,
5 which is not yet known. PNM will include the unamortized balance of the
6 regulatory liability in rate base in its general cost of service studies, to compensate
7 its customers for the time value of money.

8

9 **Q. DOES PNM PROPOSE THAT CARRYING CHARGES ACCUMULATE**
10 **ON THE REGULATORY LIABILITY BALANCE FROM THE TIME**
11 **BETWEEN WHEN PNM BEGINS TO DEFER AMOUNTS UNTIL**
12 **REFLECTED IN PNM'S COST OF SERVICE STUDIES?**

13 **A.** Yes. To compensate customers, PNM will record carrying charges. PNM
14 proposes to record carrying charges based on its then currently approved after-tax
15 WACC. Once the regulatory liability is reflected in rate base in PNM's general
16 rate case cost of service study, PNM will terminate the calculation of carrying
17 charges as the unamortized balance will be included in rate base.

18

19 **Q. DOES PNM ANTICIPATE ADJUSTING PNM'S BASE RATES TO**
20 **REFLECT THE ABANDONMENT OF THE SAN JUAN COAL PLANT**
21 **THROUGH A GENERAL RATE CASE AT THE SAME TIME THAT**
22 **CUSTOMERS BEGIN TO PAY THE ENERGY TRANSITION CHARGE?**

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **A.** Yes. PNM intends to file a general rate case to reflect the abandonment of the
2 San Juan coal plant for rates to go into effect at the same time as the Energy
3 Transition Charge are collected from customers. In this instance, there would be
4 no need for a regulatory liability to be recorded.

5
6 However, if there is a timing difference between commencement of the collection
7 of the energy transition charge from customers when bonds are issued upon the
8 abandonment and the time that base rates are adjusted to reflect the abandonment
9 of the San Juan coal plant, then a regulatory liability will protect customers from
10 double recovery of the undepreciated investments.

11

12 **VI. ITEMS RELATED TO THE ABANDONMENT OF THE SAN JUAN COAL**
13 **PLANT RECOVERED IN BASE RATES, AND NOT IN THE ENERGY**
14 **TRANSITION CHARGE**

15 **Q. PLEASE SUMMARIZE THE ITEMS RELATED TO THE**
16 **ABANDONMENT OF THE SAN JUAN COAL PLANT TO BE**
17 **RECOVERED IN BASE RATES AND NOT RECOVERED IN THE**
18 **ENERGY TRANSITION CHARGE.**

19 **A.** There are certain one-time and on-going activities and items identified that will
20 not be recovered through the Energy Transition Charge but will be reflected in
21 PNM's future cost of service studies filed in general rate cases. These include: 1)
22 a reduction to rate base by the Accumulated Deferred Income Tax ("ADIT")
23 liability that results from the abandonment, 2) certain operating expenses that

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 PNM expects to incur and recover from customers that will remain after the
2 abandonment of the San Juan coal plant, and one-time costs for recovery of
3 stranded inventory balances, replacement power request for proposals (“RFP”)
4 and regulatory approval of replacement power resources costs, and external legal
5 counsel costs associated with contractual due diligence and negotiations to exit
6 the San Juan coal plant; and (3) carrying charges accumulated on advanced
7 payments made to employees affected by the abandonment (severance and job
8 training) and payments to state agencies pursuant to Section 16 of the ETA.
9 Please see PNM Table HEM-9 below for estimate of 2023 revenue requirements
10 associated with these items.

PNM Table HEM-9 2023 Revenue Requirement for Costs Associated with Abandonment not Recovered in Energy Transition Charge <i>\$ in millions</i>		
1	(12.6)	ADIT Benefits Related to Abandonment
2	0.6	Ongoing Costs Related to San Juan coal plant
3	0.9	One-time Costs Related to San Juan coal plant
4	0.3	Carrying Charges on advanced payments
5	(10.7)	Total

11

12 ***A. Accumulated Deferred Income Taxes Created by Abandonment***

13 **Q. PLEASE EXPLAIN THE ADIT RELATED TO ABANDONMENT OF THE**
14 **SAN JUAN COAL PLANT THAT WILL REMAIN IN BASE RATES.**

15 **A.** At the time of abandonment, the San Juan coal plant will be retired for tax
16 purposes, resulting in a write-off of the remaining tax basis in the facility at that
17 time. PNM will also remove the net book value associated with the San Juan coal

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 plant from rate base as the facility will no longer be used and useful. Retiring the
2 San Juan coal plant for book and tax purposes will cause the associated ADIT
3 liability to be reversed, as the deferred balances will become currently payable.
4 However, a regulatory asset will be recorded equal to the net book value that will
5 be recovered under the Energy Transition Charge. The creation of this regulatory
6 asset will also give rise to an ADIT liability balance equal to the net book value
7 times the combined statutory tax rate because the regulatory asset will have zero
8 tax basis. As PNM customers are paying for the Energy Transition Charge that
9 recovers the net book value through the energy transition property, the ADIT
10 generated from this transaction will reverse. PNM will include the ADIT liability
11 balance in rate base, which will lower the Company's overall rate base and lower
12 revenue requirements. PNM will also include the ADIT liability created
13 associated with the other energy transition property transferred to the SPE as a
14 reduction to rate base. Finally, PNM will continue to return the excess deferred
15 income taxes associated with San Juan Units 1 and 4 to customers through base
16 rates, including the unamortized balance as a rate base reduction, and the return of
17 the excess deferred income taxes as a reduction to income tax expense in future
18 cost of service studies. Please see PNM Exhibit HEM-10 for a calculation of the
19 2023 ADIT benefit associated with the San Juan coal plant closure.

20

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 ***B. One-time Costs Associated with Abandonment of the San Juan coal plant***

2 **Q. PLEASE DESCRIBE THE ESTIMATED ONE-TIME COSTS**
3 **ASSOCIATED WITH THE ABANDONMENT OF THE SAN JUAN COAL**
4 **PLANT THAT ARE NOT INCLUDED IN THE UPFRONT ENERGY**
5 **TRANSITION COSTS.**

6 **A.** The San Juan coal plant currently has inventory balances, consisting of tools,
7 spare equipment, and other materials and supplies that are necessary to have on
8 hand to operate the plant. Although PNM plans to minimize the inventory levels
9 necessary through 2022, transfer any materials and supplies that are used and
10 useful to other generation facilities, and sell any remaining inventory at salvage
11 value, PNM estimates a remaining balance of \$6.7 million that will need to be
12 recovered from customers as the result of the abandonment of San Juan coal plant.

13
14 As discussed later in my testimony, PNM has allocated a portion of costs incurred
15 in the RFP and regulatory approval process for new replacement resources to the
16 PPAs identified in Scenario 1 replacement portfolio. PNM estimated these costs
17 to be \$0.8 million. PNM estimates that \$1.2 million in external legal counsel
18 costs associated with the closure of the San Juan coal plant will be needed to
19 facilitate the necessary contractual negotiations with the remaining owners over
20 the exit of the San Juan coal plant.

21

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. HOW IS PNM PROPOSING TO RECOVER THESE ONE-TIME COSTS?**

2 **A.** PNM is requesting to establish a regulatory asset for these one-time costs. PNM
3 is proposing to recover the regulatory assets for stranded inventory and external
4 legal costs associated with the exit of San Juan coal plant, over the same period
5 PNM will collect the energy transition charges. PNM is proposing to recover the
6 regulatory asset for the RFP and regulatory approval process costs associated with
7 PPA's over the life of the PPA's or 20 years. PNM will include the unamortized
8 balance in rate base in its general cost of service studies. Please see PNM Exhibit
9 HEM-11 for the revenue requirement associated with these one-time costs.

10

11 ***C. On-going Costs After Abandonment of the San Juan coal plant***

12 **Q. PLEASE SUMMARIZE THE ON-GOING COSTS THAT ARE**
13 **EXPECTED TO REMAIN AFTER THE ABANDONMENT OF THE SAN**
14 **JUAN COAL PLANT.**

15 **A.** PNM expects to have certain ongoing operational costs associated with the
16 abandoned San Juan facility and the SPE will incur ongoing financing costs
17 associated with the energy transition bonds. PNM Witness Fallgren discusses in
18 more detail the ongoing San Juan operational costs and PNM Witness Eden
19 discusses the ongoing financing costs.

20

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. HOW IS PNM PROPOSING TO RECOVER THE ONGOING**
2 **OPERATIONAL EXPENSES ASSOCIATED WITH THE ABANDONED**
3 **SAN JUAN COAL PLANT?**

4 **A.** As discussed by PNM Witness Fallgren, these costs reflect the normal operating
5 expenses of the utility after the abandonment and include ongoing maintenance
6 and insurance premiums expected to be incurred after the closure of the San Juan
7 coal plant and are estimated at \$0.6 million in 2023. PNM will include these
8 costs in its cost of service studies in its next general rate case as an operating
9 expense, similar to any other operations or maintenance cost of the utility. The
10 amounts will be based on the amounts expected to be incurred in the applicable
11 test period. PNM is not requesting any special accounting treatment for recovery
12 for these costs.

13

14 ***D. Carrying Charges Associated with Payments Made in Advance of Issuance of***
15 ***Energy Transition Bonds***

16 **Q. HOW IS PNM PROPOSING TO RECOVER THE CARRYING CHARGES**
17 **ON PAYMENTS MADE IN ADVANCE OF ISSUANCE OF ENERGY**
18 **TRANSITION BONDS?**

19 **A.** PNM is proposing to make advanced payments for job training and severance
20 costs, as well as advance funding of a portion of the energy transition bond
21 proceeds to state agencies to assist the impacted areas, if the Commission
22 approves the creation of the associated regulatory asset. As such, PNM has
23 requested carrying charges to compensate PNM for the time value of money

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 between when these payments are made and proceeds from the energy transition
2 bonds are received. PNM is proposing to collect these carrying charges in PNM's
3 next general rate case, as a component of its cost of service studies, and not
4 collect these carrying charges as part of the Energy Transition Charge as PNM
5 does not believe these carrying charges are eligible to be classified as energy
6 transition costs pursuant to the ETA. PNM is proposing to recover these carrying
7 charges over 3 years, and PNM will not request to include the unamortized
8 balance of carrying charges in rate base. Please see PNM Exhibit HEM-12 for an
9 estimate of carrying charges on the advanced payments to state agencies and for
10 job training dollars. PNM is not aware of the specific timing of the severance
11 payments for SJCC employees, so it has not estimated the carrying charges
12 related to those payments, but PNM intends to calculate and request recovery for
13 those carrying charges as incurred.

14
15 **VII. REQUESTED APPROVALS FROM THE COMMISSION TO ESTABLISH**
16 **REGULATORY ASSETS AND LIABILITIES**

17 **Q. CAN YOU PLEASE SUMMARIZE THE REQUESTED REGULATORY**
18 **ASSETS AND LIABILITIES THE COMPANY IS REQUESTING IN ITS**
19 **CONSOLIDATED ABANDONMENT APPLICATION?**

20 **A.** Yes. PNM is requesting that the Commission authorize PNM to establish
21 regulatory assets and liabilities for the purposes stated in my testimony. PNM
22 Exhibit HEM-13 summarizes the requested regulatory assets and liabilities that
23 PNM is seeking Commission authority to establish.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **VIII. SAN JUAN COAL PLANT REVENUE REQUIREMENTS**

2 **Q. WHAT IS THE PURPOSE OF CALCULATING THE REVENUE**
3 **REQUIREMENTS FOR THE SAN JUAN COAL PLANT?**

4 **A.** In order to provide a meaningful comparison between a 2022 shutdown of the San
5 Juan coal plant and continued operations beyond 2022, PNM has developed
6 revenue requirements for the San Juan coal plant under two scenarios: (1)
7 continued operations through a terminal date of 2040, and (2) early retirement on
8 June 30, 2022. In both scenarios, PNM has excluded amounts associated with 65
9 MW of San Juan Unit 4 that is considered merchant plant and excluded from
10 PNM’s retail jurisdiction. The revenue requirements are based on a traditional
11 cost of service model that reflects a return on rate base using the Company’s
12 WACC and return of the Company’s investments, including recovery of operating
13 expenses. See PNM Exhibit HEM-14 for the estimated 2023 annual revenue
14 requirements for continued operations. These revenue requirements were
15 provided to PNM Witness Phillips for resource modeling purposes and are also
16 used to identify the customer benefits in 2023 as a result of the abandonment in
17 2022.

18

19 **Q. PLEASE SUMMARIZE THE 2023 REVENUE REQUIREMENTS FOR**
20 **THE SAN JUAN COAL PLANT CONTINUED OPERATIONS?**

21 **A.** The revenue requirements are based on a traditional cost of service model that
22 reflects a return on rate base using the Company’s WACC and return of the

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 Company's investments, including recovery of operating expenses. See PNM
2 Exhibit HEM-14 for 2023 annual revenue requirements for the San Juan coal
3 plant continued operations. These revenue requirements were provided to PNM
4 Witness Phillips for resource modeling purposes.

5
6 **Q. WHY HAS PNM REFLECTED A TERMINAL DATE OF 2040 IN ITS**
7 **ANALYSIS OF THE SAN JUAN COAL PLANT CONTINUED**
8 **OPERATIONS?**

9 **A.** The Commission has approved a depreciation schedule for the San Juan coal plant
10 through 2053. However, the Company has stated a goal of being carbon-free by
11 2040, which ensures compliance with the ETA's zero-carbon resource portfolio
12 requirements, which must be achieved by no later than 2045. Therefore, PNM
13 has reflected that continued operations would only continue through 2040, 13
14 years earlier than the current terminal date of 2053.

15
16 **Q. WHAT COSTS HAS PNM INCLUDED IN THE REVENUE**
17 **REQUIREMENTS ASSUMING THE SAN JUAN COAL PLANT**
18 **CONTINUED OPERATIONS?**

19 **A.** PNM included a return on rate base utilizing PNM's currently approved WACC,
20 depreciation expense, operations and maintenance expense, renewable energy
21 certificate ("REC") purchases pursuant to the modified stipulation in NMPRC
22 Case No. 13-00390-UT, fuel handling, costs associated with coal mine
23 reclamation and plant decommissioning, property taxes, and payroll taxes.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. WHAT COSTS DID PNM ESTIMATE ASSOCIATED WITH THE RFP**
2 **AND REGULATORY APPROVAL PROCESS FOR THE RESOURCES**
3 **INCLUDED IN SCENARIO 1?**

4 **A.** PNM estimates \$2.1 million related to the RFP and regulatory approval processes
5 utilized to determine Scenario 1 and obtain the necessary regulatory approvals in
6 this proceeding. These include costs for external consultants, outside legal review
7 of replacement power testimony and exhibits, as well as additional work to
8 negotiate contracts and administrative costs. Please see PNM Exhibit HEM-15
9 for more detailed information.

10

11 **Q. HOW IS PNM PROPOSING TO RECOVER THE COSTS INCURRED**
12 **RELATED TO THE RFP AND REGULATORY APPROVAL PROCESS?**

13 **A.** Costs associated with the RFP and regulatory approval processes, including
14 internal costs to review and select the ultimate resources are subject to being
15 capitalized as part of the resulting resource if owned and constructed by PNM.
16 The results of these processes will result in a mix of replacement resources that
17 are both constructed and owned resources and resources acquired through PPAs.
18 These costs will be allocated equally to each resource selected as the result of
19 these processes. The portion allocated to the 280 MW Pinon Gas Plant and
20 utility-owned battery storage will be included as a cost of construction. PNM is
21 proposing to recover the costs incurred and allocated to the PPAs as a regulatory
22 asset and will recover these costs over the life of the PPAs in base rates. PNM
23 proposes to include the unamortized balance of the regulatory asset associated

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 with the PPAs in rate base and will reflect the amortization of these costs as an
2 operating expense in its cost of service studies. These costs were necessary to
3 acquire the replacement resources under the PPA, therefore, aligning recovery of
4 these costs over the life of the PPA matches the cost recovery over the period that
5 customers receive the benefit of the PPA. See PNM Exhibit HEM-15.

6

7 ***B. PNM-Owned Resources included in Scenario 1***

8 **Q. WHAT IS THE 2023 ANNUAL REVENUE REQUIREMENT FOR THE**
9 **280 MW OF PINON GAS PLANT REPLACEMENT RESOURCES PNM IS**
10 **PROPOSING TO REPLACE A PORTION OF THE SAN JUAN COAL**
11 **PLANT?**

12 **A.** PNM estimates the 2023 annual retail revenue requirement for the 280 MW of
13 Pinon Gas Plant to be \$33.0 million. Please see PNM Exhibit HEM-16. The retail
14 revenue requirement includes a return on rate base, utilizing PNM's most
15 currently approved WACC, including net plant and associated ADIT, depreciation
16 expense, gas transportation, O&M, property taxes, income taxes and revenue tax.

17

18 **Q. WHAT IS THE ESTIMATED COST OF THE 280 MW PINON GAS**
19 **PLANT REPLACEMENT RESOURCE?**

20 **A.** Construction and construction-related costs are estimated to be \$190.9 million,
21 including AFUDC of \$12.0 million calculated using the formula prescribed in the
22 FERC Uniform System of Accounts. Actual AFUDC rates will be calculated

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 based on actual capital costs as funds are expended on the project. A detailed
2 description of the construction and construction-related costs is provided in the
3 testimony of PNM Witness Fallgren.

4
5 **Q. WHAT IS THE USEFUL LIFE USED FOR MODELING DEPRECIATION**
6 **EXPENSE FOR THE 280 MW OF PINON GAS PLANT REPLACEMENT**
7 **RESOURCE?**

8 **A.** PNM has modeled an 18-year useful life when calculating depreciation expense in
9 order to model the retirement of the new gas generation by 2040.

10
11 **Q. WHAT RATE TREATMENT IS PNM REQUESTING FOR THE 280 MW**
12 **PINON GAS PLANT REPLACEMENT RESOURCE?**

13 **A.** PNM is requesting that the Commission grant PNM a CCN to construct, own and
14 operate the plant and authorize PNM to include the actual cost of the plant up to
15 the certificated estimated cost of \$190.9 million in PNM's total rate base in future
16 ratemaking proceedings as the capital cost for the facility. PNM is requesting
17 authority to recover in future ratemaking proceedings the actual operating
18 expenses incurred for O&M, property taxes, gas transportation costs, and
19 depreciation expenses for the 280 MW Pinon Gas Plant. PNM estimates that
20 these costs in 2023 will total \$17.0 million. O&M expenses include the materials
21 and services necessary to operate the facility as discussed in more detail by PNM
22 Witness Fallgren. Property taxes were estimated based on the current property tax
23 rate of 2.45%. Gas transportation costs were estimated based on a cost of \$0.150

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 per MMBtu and an assumed use of 71,400 MMBtu per day, as discussed by PNM
2 Witness Fallgren. Depreciation expense was estimated using an 18-year useful
3 life.

4
5 **Q. HOW WILL PNM RECOVER THE COST OF FUEL USED BY THE 280**
6 **MW PINON GAS PLANT REPLACEMENT RESOURCE?**

7 **A.** PNM will recover the fuel costs incurred to operate the 280MW Pinon Gas Plant
8 through PNM's Fuel & Purchase Power Cost Adjustment Clause ("FPPCAC")
9 pursuant to 17.3.550 NMAC.

10
11 **Q. WHAT IS THE 2023 ANNUAL REVENUE REQUIREMENT FOR THE**
12 **ZAMORA 30 MW UTILITY-OWNED BATTERY STORAGE**
13 **REPLACEMENT RESOURCE THAT PNM IS PROPOSING TO**
14 **REPLACE A PORTION OF THE SAN JUAN COAL PLANT?**

15 **A.** PNM estimates the 2023 annual retail revenue requirement for the Zamora 30
16 MW battery storage facility to be \$5.9 million. Please see PNM Exhibit HEM-17.
17 The revenue requirements include a return on rate base, utilizing PNM's most
18 currently approved WACC, including net plant and associated ADIT, depreciation
19 expense based on a 20-year useful life O&M, property taxes, income taxes and
20 revenue tax.

21

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. WHAT IS THE ESTIMATED COST OF THE ZAMORA 30 MW**
2 **BATTERY STORAGE FACILITY REPLACEMENT RESOURCE?**

3 **A.** Construction and construction-related costs are estimated to be \$39.0 million,
4 including AFUDC of \$1.3 million calculated using the formula prescribed in the
5 FERC Uniform System of Accounts. Actual AFUDC rates will be calculated
6 based on actual capital costs as funds are expended on the project. A detailed
7 description of the construction and construction-related costs is provided in the
8 testimony of PNM Witness Fallgren.

9

10 **Q. WHAT RATE TREATMENT IS PNM REQUESTING FOR THE**
11 **ZAMORA 30 MW BATTERY STORAGE FACILITY REPLACEMENT**
12 **RESOURCE?**

13 **A.** PNM is requesting that the Commission grant PNM a CCN to construct, own and
14 operate the battery storage facility and authorize PNM to include the actual cost
15 of the facility up to the certificated estimated cost of \$39.0 million in PNM's total
16 rate base in future ratemaking proceedings as the capital cost for the facility.

17

18 PNM is requesting authority to recover in future ratemaking proceedings the
19 actual operating expenses incurred for O&M, property taxes, and depreciation
20 expenses for the Zamora 30 MW battery storage facility. PNM estimates that
21 these costs in 2023 will total \$2.7 million. O&M expenses include the materials
22 and services necessary to operate the facility as discussed in more detail by PNM
23 Witness Fallgren. Property taxes were estimated based on the current property tax

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 rate of 3.3%. Depreciation expenses were estimated based on a 20-year useful
2 life.

3
4 **Q. WHAT IS THE 2023 ANNUAL REVENUE REQUIREMENT FOR THE**
5 **SANDIA 40 MW UTILITY-OWNED BATTERY STORAGE**
6 **REPLACEMENT RESOURCES PNM IS PROPOSING TO REPLACE A**
7 **PORTION OF THE SAN JUAN COAL PLANT?**

8 **A.** PNM estimates the 2023 annual retail revenue requirement for the Sandia 40 MW
9 battery storage facility to be \$6.9 million. Please see PNM Exhibit HEM-18. The
10 retail revenue requirement includes a return on rate base, utilizing PNM's most
11 currently approved WACC, including net plant and associated ADIT, depreciation
12 expense based on a 20-year useful life O&M, property taxes, income taxes and
13 revenue tax.

14
15 **Q. WHAT IS THE ESTIMATED COST OF THE SANDIA 40 MW BATTERY**
16 **STORAGE FACILITY REPLACEMENT RESOURCE?**

17 **A.** Construction and construction-related costs are estimated to be \$48.9 million,
18 including AFUDC of \$1.6 million calculated using the formula prescribed in the
19 FERC Uniform System of Accounts. Actual AFUDC rates will be calculated
20 based on actual capital costs as funds are expended on the project. A detailed
21 description of the construction and construction-related costs is provided in the
22 testimony of PNM Witness Fallgren.

23

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. WHAT RATE TREATMENT IS PNM REQUESTING FOR THE SANDIA**
2 **40 MW BATTERY STORAGE FACILITY REPLACEMENT RESOURCE?**

3 **A.** PNM is requesting that the Commission grant PNM a CCN to construct, own and
4 operate the plant and authorize PNM to include the actual cost of the plant up to
5 the certificated estimated cost of \$48.9 million in PNM’s total rate base in future
6 ratemaking proceedings as the capital cost for the facility. PNM is requesting
7 authority to recover in future ratemaking proceedings the actual operating
8 expenses incurred for O&M, property taxes, and depreciation expenses for the
9 Sandia 40 MW battery storage facility. PNM estimates that these costs in 2023
10 will total \$3.3 million. O&M expenses include the materials and services
11 necessary to operate the facility as discussed in more detail by PNM Witness
12 Fallgren. Property taxes were estimated based on the current property tax rate of
13 3.3%. Depreciation expense was estimated using a 20-year useful life.

14

15 **Q. WHAT COST OF CAPITAL DID PNM USE IN CALCULATING THE**
16 **RETURN COMPONENT OF THE REVENUE REQUIREMENTS FOR**
17 **THE OWNED REPLACEMENT POWER IN SCENARIO 1?**

18 **A.** PNM used the capital structure and cost of capital that was used in PNM’s cost of
19 service study in NMPRC Case No. 16-00276-UT as shown in PNM Table HEM-
20 10.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

PNM Table HEM-10					
Schedule A-5 - Commission Final Order					
Summary of Total Capitalization and the Weighted Average Cost of Capital					
Test Period Ending 12/31/2018					
Line No.	Capital Component	Total Capitalization Test Period	Percentage of Total Capitalization	Capital Component Cost	Weighted Average Cost
1	Long Term Debt	1,465,870	50.00%	4.86%	2.43%
2	Preferred Stock	11,529	0.39%	4.62%	0.02%
3	Common Equity	1,454,341	49.61%	9.575%	4.75%
4	Total	2,931,739	100.00%		7.20%
				Tax Rate	25.40%
				Debt	2.43%
				Preferred	0.02%
				Common	6.37%
				Total	8.81%

1
2
3
4
5
6
7
8
9
10

Q. IS PNM ASKING THE COMMISSION TO DETERMINE THE SPECIFIC CAPITAL STRUCTURE AND COST COMPONENTS USED IN THE WACC CALCULATION IN THIS CASE?

A. No. The capital structure and cost components used in the WACC calculation are for the purpose of illustrating the potential impact on revenue requirements resulting from the construction of the 280 MW Pinon Gas Plant and 70 MW of utility-owned battery storage. The WACC to be actually used to establish revenue requirements and set rates will be determined in future ratemaking proceedings.

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. PLEASE SUMMARIZE THE 2023 NON-FUEL REVENUE**
2 **REQUIREMENTS RELATED TO OWNED RESOURCES INCLUDED IN**
3 **SCENARIO 1?**

4 **A.** Please see PNM Table HEM-11 for a breakout of the 2023 non-fuel revenue
5 requirement related to the utility-owned replacement resources. In addition, PNM
6 has included the retail revenue requirement related to the required transmission
7 network upgrades associated with the Arroyo Solar/Battery PPA. I discuss the
8 transmission network upgrades associated with the Arroyo Solar/Battery PPA
9 later in my testimony.

10

PNM Table HEM-11 2023 New Owned Resources - Non-Fuel Included in Scenario 1			
<i>\$ in millions</i>			
		Total 2023 Retail Revenue Requirement	PNM Exhibit Reference
1	280 MW Pinon Gas Plant	33.0	HEM-16
2	40 MW Sandia	6.9	HEM-18
3	30 MW Zamora	5.9	HEM-17
4	Transmission Arroyo Solar Project PPA	1.3	HEM-20
5	Total	47.1	

11

12 **Q. PLEASE SUMMARIZE THE RATEMAKING PRINCIPLES AND**
13 **TREATMENT THAT PNM IS REQUESTING FOR THE 280 MW GAS**
14 **AND BATTERY STORAGE FACILITIES.**

15 **A.** PNM is requesting that the Commission establish a Certificated Estimated Cost,
16 including AFUDC, of \$190.9 million for the proposed 280 MW Pinon Gas Plant,
17 \$39.0 million for the proposed Zamora 30 MW battery storage facility and \$48.9

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 million for the proposed Sandia 40 MW battery storage facility, in accordance
2 with Rule 17.3.580 NMAC, and to authorize PNM, pursuant to NMSA 1978, 62-
3 9-1(B), to include the actual cost of construction, up to the Certificated Estimated
4 Cost, in total company rate base in future ratemaking proceedings as the capital
5 cost for the facility. PNM is also requesting that the Commission authorize PNM
6 to recover in future ratemaking proceedings the reasonable costs above of O&M,
7 property taxes, gas transportation and associated depreciation expenses.

8
9 ***C. Revenue Requirements for PPAs in Scenario 1***

10 **Q. WHAT IS THE 2023 REVENUE REQUIREMENT FOR THE ARROYO**
11 **300 MW OF PPA SOLAR GENERATION PAIRED WITH THE 40 MW OF**
12 **BATTERY STORAGE REPLACEMENT RESOURCES PNM IS**
13 **PROPOSING TO REPLACE THE SAN JUAN COAL PLANT?**

14 **A.** PNM estimates the 2023 retail revenue requirement for the Arroyo 300 MW PPA
15 solar generation paired with 40 MW of battery storage to be \$18.8 million. The
16 revenue requirement includes the purchase of energy from the solar developer at
17 the contracted price of \$18.65/MWh and capacity payment for the 40 MW of
18 battery storage at \$7.46/kW-month. Please see PNM Exhibit HEM-19 and the
19 direct testimony of PNM Witness Fallgren for further detail on the 300 MW solar
20 and 40 MW battery PPA.

21

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **Q. WHAT IS THE RETAIL REVENUE REQUIREMENT FOR**
2 **TRANSMISSION NETWORK UPGRADES ASSOCIATED WITH THE**
3 **ARROYO 300MW OF PPA SOLAR GENERATION PAIRED WITH THE**
4 **40MW OF BATTERY STORAGE?**

5 **A.** As discussed by PNM Witness Mechenbier, PNM estimates it will need to
6 construct transmission network upgrades, estimated at \$20 million, associated
7 with this PPA. The 2023 retail revenue requirement for these upgrades is
8 estimated to be \$1.3 million. Please see PNM Exhibit HEM-20 for more detail.

9
10 **Q. IS PNM REQUESTING COMMISSION APPROVAL FOR THESE**
11 **TRANSMISSION UPGRADES AS PART OF THIS CONSOLIDATED**
12 **APPLICATION?**

13 **A.** Network upgrades are generally recovered through standard ratemaking allocation
14 of the transmission system. PNM is providing the revenue requirement for the
15 transmission upgrades associated with these investments for the PPAs to
16 determine the retail customer impacts in 2023 and has been included in PNM
17 Table HEM-1.

18
19 **Q. WHAT IS THE 2023 REVENUE REQUIREMENT FOR THE JICARILLA**
20 **50 MW OF PPA SOLAR GENERATION PAIRED WITH THE 20 MW OF**
21 **BATTERY STORAGE REPLACEMENT RESOURCES PNM IS**
22 **PROPOSING TO REPLACE THE SAN JUAN COAL PLANT?**

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1 **A.** PNM estimates the 2023 retail revenue requirement for the Jicarilla 50 MW PPA
2 solar generation paired with 20 MW of battery storage to be \$5.1 million. The
3 revenue requirement includes the purchase of energy from the solar developer at
4 the contracted price of \$19.73/MWh and capacity payment for the 20 MW of
5 battery storage at \$9.97/kW-month. Please see PNM Exhibit HEM-21 and the
6 direct testimony of PNM Witness Fallgren for further detail on the 50 MW solar
7 and 20 MW battery PPA.

8

9 **Q.** **WHAT PROPOSED RATEMAKNG IS PNM SEEKING IN REGARD TO**
10 **THE PPAS INCLUDED IN SCENARIO 1?**

11 **A.** PNM is proposing that the energy costs under the PPAs will be recovered through
12 PNM’s FPPCAC. PNM is proposing that the demand charges under the PPAs,
13 initially flow through PNM’s FPPCAC, until such time that PNM reflects the
14 abandonment of SJGS in its base rates. At that time, PNM proposes the demand
15 charges of the PPAs will be recovered through its base rates and not through its
16 FPPCAC.

17

**DIRECT TESTIMONY
OF HENRY E. MONROY
NMPRC CASE NO. 19-____-UT**

1
2
3
4
5
6
7
8
9
10
11

X. SUMMARY OF OTHER SCENARIOS

Q. PLEASE SUMMARIZE THE REVENUE REQUIREMENT IMPACTS FOR THE OTHER SCENARIOS DISCUSSED BY PNM WITNESS FALLGREN.

A. As described by PNM Witness Fallgren, in addition to Scenario 1, PNM analyzed three other scenarios. Please see PNM Table HEM-12 for a summary of customer impacts in 2023 based on the various resource portfolios reflected in each of the additional scenarios described by PNM Witness Fallgren. As discussed in more detail by PNM Witness Phillips, although the 2023 revenue requirements for Scenario 1, 2 and 3 are relatively close, over the 20-year planning horizon, Scenario 1 results in the preferred option for customers.

PNM Table HEM-12 Summary of Impacts to 2023 Revenue Requirement for Scenarios*				
<i>\$ in millions</i>				
	Scenario 1	Scenario 2	Scenario 3	Scenario 4
1 Savings from Closure of San Juan coal plant- Non Fuel	(94)	(94)	(94)	(94)
2 Energy Transition Charge – Securitization	23	23	23	23
3 Other Costs Not Included in Energy Transition Charge	(11)	(11)	(11)	(11)
4 2023 New Owned Resources - Non-Fuel	47	58	26	-
5 Fuel Costs/(Savings), net, due to change in resources	(49)	(56)	(26)	94
6 Net, 2023 Revenue Requirement Impacts (Savings)/Cost	(83)	(79)	(81)	12

* Please see the direct testimony of PNM Witness Fallgren and Phillips for the complete analysis and evaluation of each scenario

12
13

XI. CONCLUSION

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

A. Yes.

15