

**DRAFT INTERMOUNTAIN POWER AGENCY
BOARD OF DIRECTORS MEETING
NOVEMBER 5, 2024**

MINUTES

7 A meeting of the Intermountain Power Agency (IPA) Board of Directors was held on
8 November 5, 2024, at the Los Angeles Marriott Burbank Airport Hotel, located at 2500 N
9 Hollywood Way, Burbank, CA 91505, as well as via Zoom virtual meeting. The
10 following participated:

12 BOARD MEMBERS PRESENT

- 14 Nick Tatton
- 15 Eric Larsen
- 16 Allen Johnson - Virtual
- 17 Mark Montgomery
- 18 Bruce Rigby
- 19 Joel Eves
- 20 Jason Norlen

22 BOARD MEMBERS NOT PRESENT

24 Bruce Rigby

26 OTHERS IN ATTENDANCE

28	Cameron Cowan	IPA
29	Blaine Haacke	IPA
30	Linford Jensen	IPA
31	Vance Huntley	IPA
32	Cody Combe	IPA
33	Michelle Miller	IPA - Virtual
34	Caitlyn Cottrell	IPA
35	Brian Freeman	IPA – Virtual
36	Saif Mogri	IPA Consultant
37	Mike Utley	IPSC
38	Zane Draper	IPSC
39	Jon Christensen	IPSC
40	Dahl Dalton	IPSC - Virtual
41	Eric Bawden	Holland & Hart
42	Larry Coleman	Hyrum - Virtual
43	John Ward	John Ward Inc - Virtual
44	Lori Morrish	LADWP
45	Kevin Peng	LADWP
46	Rob Hughes	Parsons, Behle & Latimer

47

INTRODUCTIONS AND ANNOUNCEMENTS

49

50 The meeting commenced at 12:30 p.m. conducted by Chair, Nick Tatton. Mr. Tatton
51 welcomed everyone to the meeting and introduced all who were attending and declared a
52 quorum was present.

53

IPA BOARD CHAIR ITEMS

55

56 Mr. Tatton said all items are covered in the agenda today, but asked Mr. Huntley to give
57 an overview of the financing.

58

59 Mr. Huntly said the IPA 3rd Tranche of financing for \$175 million was very well
60 received. There was a strong desire in the market for IPA Bonds. The financing was
61 completed at a true interest cost of 4.12 %, 3 basis points higher than IPA's previous
62 financing. This financing should cover all construction costs until the end of the Project.

63

IPA BOARD COMMITTEE BUSINESS REPORTS

65

66 Mr. Eves said there is no report from the Governance Committee.

67

68 Mr. Johnson said there is no report from the Audit Committee.

69

70 Mr. Larsen said the Compensation Committee has met and the Committee is waiting for
71 additional information. Once the information is received, the Compensation Committee
72 will finalize their recommendation and be ready to present at the December Board
73 meeting.

74

75 Mr. Larsen said the items discussed in the IPSC Board meeting were discussed earlier in
76 the CC meeting.

77

OPERATING AGENT AND PROJECT MANAGER REPORT AND Q&A

79

80 Mr. Tatton asked Mr. Peng, Operating Agent, and Ms. Morrish, Project Manager, if they
81 had any additional information or comments for the Board.

82

83 Ms. Morrish said there was no additional information or comments from the Project
84 Manager.

85

86 Mr. Peng said there have been good discussions over the past two days on the coal unit
87 operations. The good news is the Project has enough coal for operations in the June and
88 July 2025 timeframe. As testing for the new Project begins, the coal units will be utilized

89 as much as possible. The ultimate goal is to have minimal coal on the ground at the end
90 of 2025.

91
92 Mr. Tatton asked Mr. Peng for an update on the issues the contractor TIC was having on
93 the new Project. Mr. Peng said TIC has really turned things around and is improving
94 their quality of construction and fixing the items that need to be fixed. They have also
95 brought in additional resources to complete these tasks.

96
97 Mr. Haacke asked Mr. Peng to give an update on the IPP tour on November 4, 2024. Mr.
98 Peng said Ms. Janisse Quinones, CEO of LADWP, and Council Member, Traci Park,
99 toured IPP. The tour was to educate them on what is happening at IPP, and the potential
100 long-term opportunities there at the site. The goal is to gain additional California support
101 for the Project. Additional site visits in the future will be scheduled.

102
103 Mr. Tatton thanked Ms. Morrish and Mr. Huynh for their comments.

104
105 **RESOLUTION IPA-2024-021 CONSIDERATION OF APPROVAL OF**
106 **ADOPTION OF AMENDMENTS TO THE STS DECOMMISSIONING FUNDING**
107 **PLAN**

108
109 Mr. Tatton said Resolution IPA-2024-021 will be deferred to a later date.

110
111 Mr. Tatton asked for a motion to strike Resolution IPA-2024-021 from the agenda.

112
113 **Mr. Montgomery made a motion to strike Resolution IPA-2024-021 from the**
114 **agenda. Mr. Larsen seconded the motion. A vote by all Board members**
115 **participating in the meeting was taken and the vote was unanimous in the**
116 **affirmative.**

117
118 **RESOLUTION IPA-2024-024 CONSIDERATION OF APPROVAL OF**
119 **ADOPTION OF GAS OPERATING PROCEDURES**

120
121 Mr. Tatton asked Mr. Peng to provide a description of Resolution IPA-2024-024. Mr.
122 Peng provided the description of the Gas Operating Procedures and asked if there were
123 any questions. Hearing none, Mr. Tatton asked for a motion to approve Resolution IPA-
124 2024-024.

125
126 **Mr. Norlen made a motion to approve Resolution IPA-2024-024. Mr.**
127 **Montgomery seconded the motion. A vote by all Board members**
128 **participating in the meeting was taken and the vote was unanimous in the**
129 **affirmative.**

131 **RESOLUTION IPA-2024-025 CONSIDERATION OF APPROVAL OF**
132 **AUTHORIZATION TO EXECUTE PURCHASE ORDER R24-005 (GAS UNIT**
133 **SPARE PARTS)**

134
135 Mr. Tatton asked Ms. Morrish to provide a description of Resolution IPA-2024-025. Ms.
136 Morrish provided the description of Purchase Order R24-005 (Gas Unit Spare Parts) and
137 asked if there were any questions.

138
139 Mr. Eves asked Ms. Morrish if a thorough evaluation of what is being purchased was
140 done. Ms. Morrish and Mr. Peng said yes.

141
142 Mr. Tatton asked for a motion to approve Resolution IPA-2024-025.

143
144 **Mr. Larsen made a motion to approve Resolution IPA-2024-025. Mr.**
145 **Montgomery seconded the motion. A vote by all Board members**
146 **participating in the meeting was taken and the vote was unanimous in the**
147 **affirmative.**

148
149 **RESOLUTION IPA-2024-026 CONSIDERATION OF APPROVAL OF**
150 **AUTHORIZATION TO EXECUTE AGREEMENT NO. IPA24-008 (HVDC**
151 **UPGRADES)**

152
153 Mr. Tatton asked Mr. Peng to provide a description of Resolution IPA-2024-026. Mr.
154 Peng provided the description of Agreement No. IPA24-008 (HVDC Upgrades) and
155 asked if there were any questions. Hearing none, Mr. Tatton asked for a motion to
156 approve Resolution IPA-2024-026.

157
158 **Mr. Norlen made a motion to approve Resolution IPA-2024-026. Mr.**
159 **Montgomery seconded the motion. A vote by all Board members**
160 **participating in the meeting was taken and the vote was unanimous in the**
161 **affirmative.**

162
163 **RESOLUTION IPA-2024-027 CONSIDERATION OF APPROVAL OF**
164 **AUTHORIZATION TO EXECUTE A SECOND AMENDMENT TO**
165 **GROUNDWATER LEASE AGREEMENT NO. 665A (ACES)**

166
167 Mr. Tatton asked Mr. Peng to provide a description of Resolution IPA-2024-027. Mr.
168 Peng provided the description of the Second Amendment to Groundwater Lease
169 Agreement No. 665A (ACES) and asked if there were any questions. Hearing none, Mr.
170 Tatton asked for a motion to approve Resolution IPA-2024-027.

171
172 **Mr. Larsen made a motion to approve Resolution IPA-2024-027. Mr.**
173 **Montgomery seconded the motion. A vote by all Board members**

174 **participating in the meeting was taken and the vote was unanimous in the**
175 **affirmative.**

176

177 **RESOLUTION IPA-2024-028 CONSIDERATION OF APPROVAL OF**
178 **AUTHORIZATION TO EXECUTE TRACK LICENSE AGREEMENT**
179 **(SAWTOOTH) AND AMENDMENT TO TRACK LICENSE AGREEMENT**
180 **(MAGNUM)**

181

182 Mr. Tatton asked Mr. Peng to provide a description of Resolution IPA-2024-028. Mr.
183 Peng provided the description of the Track License Agreement (Sawtooth) and Track
184 License Agreement (Magnum) and asked if there were any questions. Hearing none, Mr.
185 Tatton asked for a motion to approve Resolution IPA-2024-028.

186

187 **Mr. Norlen made a motion to approve Resolution IPA-2024-028. Mr. Eves**
188 **seconded the motion. A vote by all Board members participating in the**
189 **meeting was taken and the vote was unanimous in the affirmative.**

190

191 **RESOLUTION IPA-2024-029 CONSIDERATION OF APPROVAL OF**
192 **AUTHORIZATION TO EXECUTE CONSENT AGREEMENT (ROW**
193 **CROSSING)**

194

195 Mr. Tatton asked Mr. Peng to provide a description of Resolution IPA-2024-029. Mr.
196 Peng provided the description of the Consent Agreement and asked if there were any
197 questions. Hearing none, Mr. Tatton asked for a motion to approve Resolution IPA-2024-
198 029.

199

200 **Mr. Larsen made a motion to approve Resolution IPA-2024-029. Mr. Norlen**
201 **seconded the motion. A vote by all Board members participating in the**
202 **meeting was taken and the vote was unanimous in the affirmative.**

203

204 **ENGINEERING REPORT**

205

206 Mr. Mogri, IPA's Engineering Consultant, provided a detailed report on the B&V
207 Electric Report as of November 5, 2024, including the Challenging Issues, the Generation
208 Mix, the Grid Modernization, the Data Centers, and the Energy Transition.

209

210 Mr. Mogri also reviewed the Challenging Issues facing the Electric Utility Industry
211 including renewable integration, environmental regulations, aging workforce, lack of
212 skilled workforce, planning, forecasting uncertainty, and economic uncertainty rates.

213

214 Mr. Mogri said the Generation Mix capacity investments in the next five years include
215 energy storage, roof and ground solar, microgrids and DER's, onshore wind, hydrogen,
216 offshore wind, gas fired, and nuclear.

217
218 Mr. Mogri said the drivers of the Grid Modernization include renewable energy
219 penetration, low probability and high impact events, technology advancements, increased
220 DER penetration, and transportation and building electrification.
221

222 Mr. Mogri said the challenging information from Data Centers includes accurate load
223 ramps, accurate interconnection dates, point of interconnection, interconnect agreement
224 terms, clear engineering plans, interconnect agreement rates, and items not known.
225

226 Mr. Mogri said the Energy Transition investment priority to reduce greenhouse gases
227 include solar, energy storage systems, energy efficiency, wind renewable natural gas,
228 carbon capture and storage, and hydrogen.
229

230 Mr. Mogri asked the Board for questions. There were none.
231

232 Mr. Tatton thanked Mr. Mogri for the report.
233

234 Report attached below.
235

OTHER BUSINESS

238 Mr. Tatton reminded the Board members about the IPA Annual Meeting on December 3,
239 2024.
240

ADJOURN

242 Mr. Tatton thanked everyone for their comments.
244

245 Mr. Tatton asked for a motion to adjourn.
246

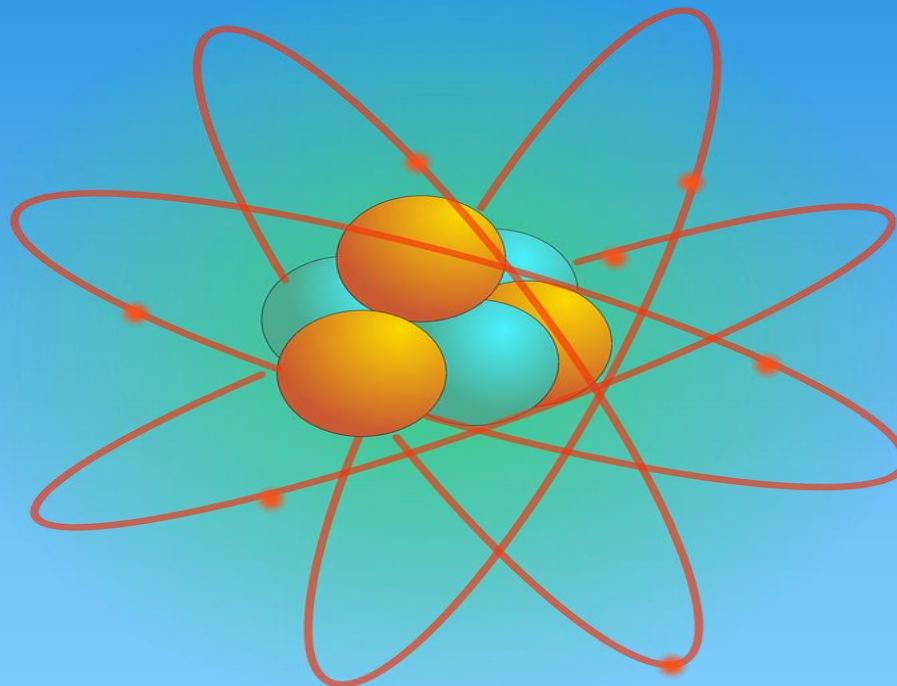
247 **Mr. Montgomery made a motion to adjourn. Mr. Norlen seconded the**
248 **motion. A vote by all Board members participating in the meeting was taken**
249 **and the vote was unanimous in the affirmative. The meeting was adjourned**
250 **at 1:08 p.m.**
251

TIME AND PLACE OF NEXT SCHEDULED MEETING

252 Tuesday, December 3, 2024, 1:00 p.m., (MST) at the Little America Hotel located at 500
253 S. Main Street, Salt Lake City, Utah 84101.
256

257 Minutes taken by Michelle Miller.
258

B&V Electric Report



**IPA Board Meeting
November 5, 2024
Burbank, California**

TOPICS OF DISCUSSION

- * CHALLENGING ISSUES
- * GENERATION MIX
- * GRID MODERNIZATION
- * DATA CENTRES
- * ENERGY TRANSITION



CHALLENGING ISSUES

Top Three Challenging Issues Facing the Electric Utility Industry

- * **Renewable Integration**
- * **Aging Infrastructure**
- * **Environmental Regulations**
- * **Aging Workforce**
- * **Lack of Skilled Workforce**
- * **Planning/Forecasting Uncertainty**
- * **Economic Uncertainty/Rates**

Challenging Issues

	2024	2023
Renewable Integration	25%	33%
Aging Infrastructure	25%	27%
Environmental Regulations	23%	23%
Lack of Skilled Workforce	22%	24%
Aging Workforce	12%	17%
Planning/Forecasting Uncertainty	22%	23%
Economic Regulation/Uncertainty	17%	14%



GENERATION MIX

Generation Mix Capacity Investments in the Next Five Years

- * Energy Storage
- * Roof/Ground Solar
- * Microgrids or DER's
- * Onshore Wind
- * Hydrogen
- * Offshore Wind
- * Gas Fired/LNG
- * Nuclear

Generation Capacity in the Next Five Years

	Much More Than Today	Somewhat More Than Today	About the Same as Today
Energy Storage	51%	32%	9%
Solar	34%	37%	20%
Microgrids	29%	39%	17%
Gas Fire	18%	28%	24%
Nuclear	13%	27%	33%
Hydrogen	17%	36%	20%
Wind	15%	32%	32%
Geothermal	8%	19%	37%
Coal	1%	3%	9%



GRID MODERNIZATION

Drivers of Grid Modernization

DRIVERS	Now	< 3 Years	3-5 Years	> 5 Years
Renewable Energy Penetration	57%	14%	11%	8%
Low Probability, High Impact Events	43%	19%	16%	6%
Technology Advancements	41%	25%	14%	8%
Increased DER Penetration	35%	21%	10%	11%
Transportation and Building Electrification	29%	25%	18%	14%

Concerns Regarding Grid Development

- * **Generation Mix, Fewer Base Load Units**
- * **Supply Chain Issues for Equipment/Pricing**
- * **Lack of Qualified Workers**
- * **Regulatory Lag to System Changes**
- * **Increases in Distributed Side Resources**

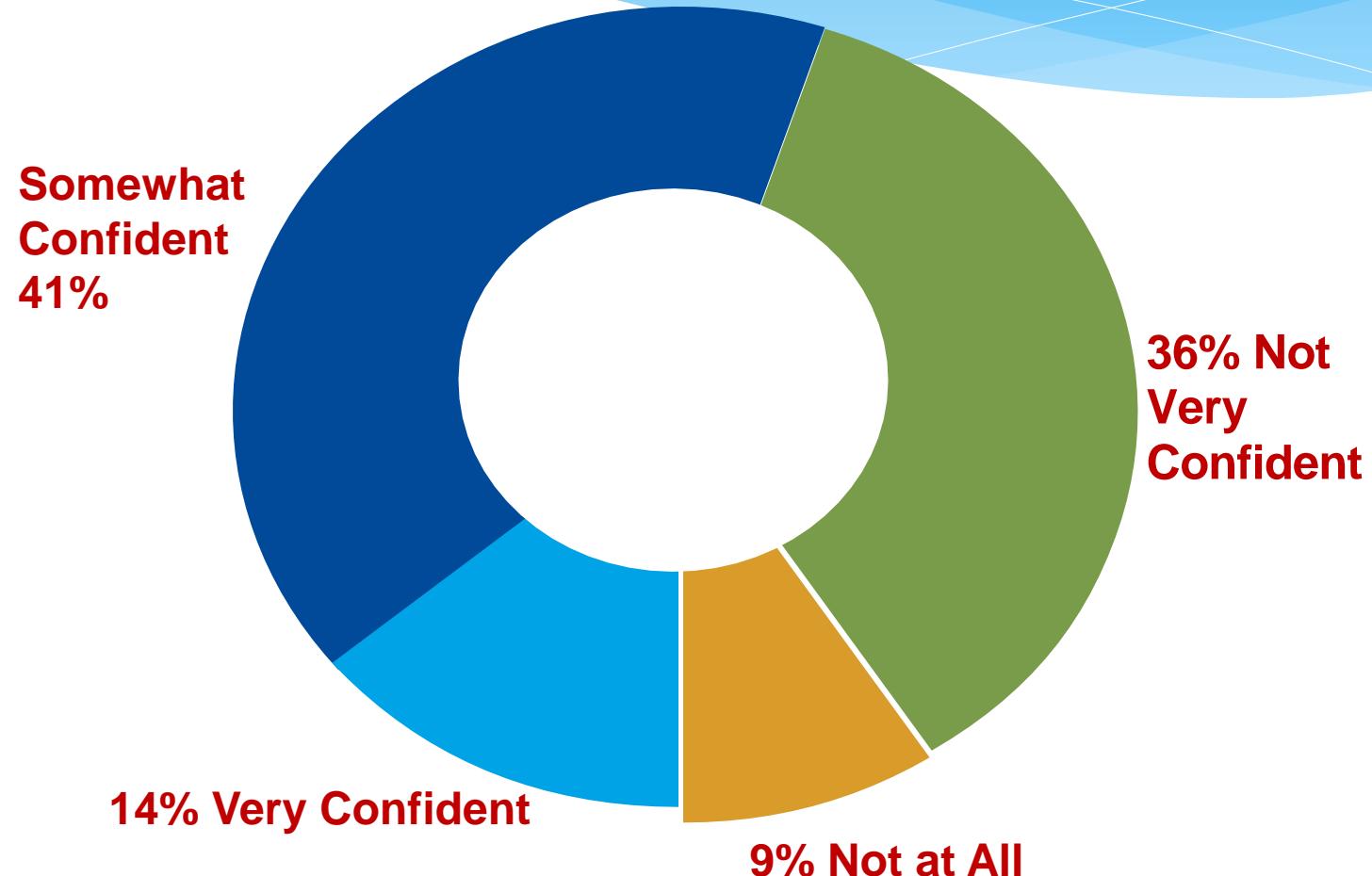
Grid Development Concerns

Generation Mix Fewer Base Load Units	46%
Supply Chain Issues	36%
Regulatory Lag	32%
Lack of Qualified Workers	28%
Lack of Sufficient Transmission/Control Assets	25%
Invest in Grid Hardening	24%
Load Forecasting	17%



DATA CENTERS

Confidence in Forecasting for Data Center Load



Challenging Information from Data Centers

Challenging Information	
Accurate Load Ramps	30%
Accurate Interconnection Dates	18%
Point of Interconnection	15%
Interconnect Agreement Terms	15%
Clear Engineering Plans	22%
Interconnect Agreement Rates	11%
Do Not Know	40%

Utility Challenges Getting Data Centers Operational

Available Power	39%
Don't Know	34%
Substation Upgrades	30%
Transmission Capacity	27%
Equipment Availability	24%
Labor - Engineering	11%
Labor - Construction	8%



ENERGY TRANSITION

Investment Priority to Reduce Greenhouse Gases

	2024	2023
Solar	54%	48%
Energy Storage Systems	41%	43%
Energy Efficiency	40%	50%
Wind	23%	29%
Renewable Natural Gas	19%	20%
Carbon Capture and Storage	16%	20%
Hydrogen	11%	17%

Medium or Long Duration Storage

	2024	2023	2022
YES BUT NO MORE THAN 8 HOURS	14%	16%	12%
YES BUT NO MORE THAN 12 HOURS	16%	10%	14%
YES BUT NO MORE THAN ONE DAY	19%	12%	22%
YES BUT NO MORE THAN A WEEK	16%	24%	24%
YES FOR LONGER THAN ONE WEEK	6%	13%	17%
NOT SURE	24%	20%	9%

