BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF IDAHO POWER COMPANY'S PETITION TO MODIFY TERMS AND CONDITIONS OF PROSPECTIVE PURPA ENERGY SALES AGREEMENTS.	)	CASE NO. IPC-E-15-01

IDAHO POWER COMPANY

DIRECT TESTIMONY

OF

RANDY ALLPHIN

Q. Please state your name and business address.

A. My name is Randy Allphin. My business address is 1221 West Idaho Street, Boise, Idaho 83702.

Q. By whom are you employed and in what capacity?

A. I am employed by Idaho Power Company ("Idaho Power" or "Company") as the Energy Contracts Coordinator Leader.

Q. Please describe your educational background and work experience with Idaho Power.

A. I graduated in 1982 from Boise State University with a Bachelor of Business Administration. In June 1982, I accepted a position as a Customer Service Specialist with Idaho Power. In 1986, I accepted a position as an Operations Accountant in the Operations and Fuels Management accounting group. My specific responsibilities were accounting for and performing economic analyses of the Company's agreements with Qualifying Facilities ("QF"), as well as fuels accounting and thermal operations and maintenance accounting. In 1998, in addition to the responsibility of performing the accounting and economic analysis of QF agreements, I was also assigned the responsibility of administering all aspects of existing and new QF agreements as the Cogeneration and Small Power Production ("CSPP") Contract Administrator. In 2010, I was promoted to Senior Energy

Contracts Administrator and was assigned two direct reports to manage the large number of Idaho Power QF and other renewable energy agreements. I have been involved with accounting, economic analysis, contract administration, and contract negotiations of Idaho Power QF and renewable energy agreements for approximately 30 years. In addition, I was responsible for the initial implementation of Idaho Power's Oregon Solar Photovoltaic Pilot Program and currently am assigned supervisory oversight of the administration of that program.

Q. What is the purpose of your testimony in this matter?

A. The purpose of my testimony is to provide a summary of the development of Public Utility Regulatory Policies Act of 1978 ("PURPA") QF generation projects on Idaho Power's system and to summarize the current status of contracts, requests for contracts, inquiries, pricing requests, etc., related to PURPA energy sales agreements, obligations, and proposed QF projects with Idaho Power. My testimony is submitted in support of Idaho Power's Petition to Modify Terms and Conditions of Prospective PURPA Energy Sales Agreements asking to reduce the maximum term of prospective PURPA energy sales agreements with Idaho Power from 20 years to a maximum of 2 years.

Q. Have you prepared any exhibits?

A. Yes. I am sponsoring 10 exhibits that were either prepared by me or prepared at my direction.

Q. Could you describe those exhibits?

A. Yes. Exhibit No. 1 is a graphical depiction of the current and historical energy sales agreements that Idaho Power has been required to enter into with QF generation projects pursuant to PURPA. This graph identifies the amount, in megawatts ("MW"), by year and by resource type of signed and approved energy sales agreements with PURPA QFs. It also identifies current requests for contracts from proposed PURPA solar QFs. This graph separately identifies the MW levels of PURPA projects under contract and operational as of January 9, 2015 - 781 MW; the additional PURPA solar projects that are under contract as of January 9, 2015, but not yet operational - 461 MW; and the additional PURPA projects that as of January 9, 2015, have made formal, written requests for PURPA energy sales agreements with Idaho Power - 885 MW. Exhibit No. 1 identifies the total amount of PURPA projects, 2,187 MW, that have formally requested contracts, are under contract, and are under contract and operational.

Exhibit No. 2 is a complete listing of all active renewable energy contracts that Idaho Power has as of January 26, 2015. Page 1 of Exhibit No. 2 is a summary page showing the total number and total MW of renewable

energy contracts, breaking those totals down by resource type and jurisdiction, showing which projects are operational, and separately identifying PURPA QF projects and non-PURPA projects. The remaining pages of Exhibit No. 2, pages 2 through 7, provide the detail summarized on page 1. Each individual project is listed by project number (which is an internal tracking number for Idaho Power) and identified by resource type, project name, location by state and county, and the MW nameplate capacity. The individual projects are grouped by resource type, with subtotals for the number of individual projects and the total MW for each resource type.

Q. Do you have any information concerning any additional PURPA QF projects seeking to contract with, or obligate, Idaho Power to PURPA energy sales agreements?

A. Yes. Exhibit No. 3 shows each individual proposed PURPA QF solar project that has submitted a written request for indicative pricing from Idaho Power for an energy sales agreement. There are 48 individual projects, for a total of 885 MW that have submitted such requests. Because the identity of the project developers and their specific projects are not public record prior to such time as they have obtained an executed contract that is filed with the Idaho Public Utilities Commission for its approval or rejection, the project developers' identities

and names of projects have been removed. However, because in almost all cases a single developer has proposed several separate projects, a generic identifier; i.e., Developer A, Project A1, Project A2, etc., Developer B, Project B1, Project B2, etc., has been used. Exhibit No. 3 also shows each project's size in MW, the project's requested contractual term, the location by state, the project's estimated operation date, and the estimated 20-year and 2-year contractual obligation in dollars.

Q. Does Idaho Power have any other requests for PURPA energy sales agreements besides those shown in Exhibit No. 3?

A. Yes. In addition to those 48 projects that have submitted written requests for indicative pricing pursuant to Schedule 73, Idaho Power has received numerous other inquiries requesting energy sales agreements for significant amounts of PURPA generation. However, in the preparation of my exhibits, it was necessary for the Company to select a point in time and take a snapshot of the current proposed projects at that point in time. This snapshot was at the time when the Company had 48 solar project requests for a total of 885 MW, which are depicted in Exhibit No. 3. Since that point in time, the Company has continued to receive numerous requests for additional PURPA QF energy sales agreements.

Q. What are some of those additional requests that are not shown in Exhibit No. 3?

A. Over the last several weeks, Idaho Power has received requests for eight additional PURPA solar agreements totaling 186 MW, a request from a single developer for five 80 MW pumped storage hydroelectric PURPA energy sales agreements totaling 400 MW, and numerous other energy sales agreement inquires. Additional project requests for generator interconnection have also been received, in excess of an additional 200 MW, in which the projects have stated their desire to sell QF energy to the Company; however, these projects have not yet requested QF energy sales agreements.

Q. Do you have other exhibits?

A. Yes. Exhibit No. 4 shows the estimated contractual obligations of Idaho Power's cogeneration and small power production QF contract obligations. This exhibit is broken out by time period, by signed and proposed contracts, and by resource type.

Q. Has Idaho Power done any comparisons of its renewable generation to the renewable portfolio standards of other states?

A. Yes. Exhibit No. 5 is a chart that depicts a comparison of Idaho Power renewable generation resources to the renewable portfolio standard ("RPS") or renewable

portfolio goal ("RPG") of Idaho Power's neighboring states of Montana, Washington, Utah, Nevada, and Oregon - and to that of California.

Q. Could you further describe what is shown in Exhibit No. 5?

A. Yes. Idaho Power does not have any current requirements for a RPS or RPG in the state of Idaho, but what is shown by Exhibit No. 5 is that with only its currently existing PURPA and utility renewable energy power purchase agreement ("PPA") resources, the Company would meet a renewable energy standard of 20 percent of retail load (megawatt-hours ("MWh")) supplied by renewable energy (MWh). Exhibit No. 5 also depicts an estimated renewable energy level for Idaho Power, calculated as percent of retail load in MWh supplied by renewable energy in MWh, for four additional scenarios: Idaho Power's actual PURPA and utility renewable energy PPAs plus the 461 MW of PURPA solar under contract - 24 percent; Idaho Power's actual PURPA and utility renewable energy PPAs plus the 461 MW of PURPA solar under contract plus the 885 MW of PURPA solar proposed - 37 percent; Idaho Power's actual PURPA and utility renewable energy PPAs, 461 MW of PURPA solar under contract, plus Idaho Power's Company-owned hydro generation - 77 percent, and, finally, Idaho Power's actual PURPA and utility renewable energy PPAs, 461 MW of PURPA solar under

contract, 885 MW of PURPA solar proposed, plus all of Idaho Power's Company-owned hydro generation - 90 percent. The latter two scenarios depict that if Idaho Power's 1,709 MW of hydroelectric nameplate capacity were combined with the Company's acquired renewable capacity, which would represent over 3,100 MW of renewable generation capacity, it would equate to 90 percent of retail load supplied by renewable energy. In fact, if the Company's PURPA generation, including PURPA solar under contract and proposed, were considered, Idaho Power would exceed the RPS requirements of its neighboring western states, as well as California, at 37 percent of retail load supplied by renewable energy.[1]

Q. Have you conducted, or directed, any analysis of Idaho Power's PURPA generation?

A. Yes. Using information from Idaho Power's Load Serving Operations Group, I have prepared Exhibit No. 6. Exhibit No. 6 is a series of graphs consisting of 24 separate graphs, one per page, which depict the first week of each month for the years 2016 and 2017 and one summary page. These graphs depict an analysis conducted by Idaho

[1] This comparison is done to show the magnitude of QF development and Company-owned hydro compared to various mandatory RPS requirements. Because Idaho Power does not receive the Renewable Energy Certificates/ Credits ("RECs") from most of its QF generation, this generation cannot be used to meet any potential RPS requirements and Idaho Power cannot represent to customers that they are receiving renewable energy from the QFs, or from generation, for which it does not receive the RECs, and is not making any such representation here.

Power which compares estimated total system load, on an hourly basis, over 2016 and 2017, to the Company's must-run resources, must-take PURPA generation, and must-take non-PURPA power purchase agreements. The estimated load is taken directly from the Company's operational forecast. The must-run Company-owned resources are comprised of Idaho Power's hydro and coal generation, and are represented at must-run minimum levels. This means that they are taken down to minimum operational levels where they cannot be backed down any further without violating environmental regulations for hydro, and without being shut down for coal. Must-take PURPA and non-PURPA purchases are taken from Idaho Power forecasted generation from the various PURPA projects currently under contract with Idaho Power. This forecast is a combination of historical generation information from existing projects and project-provided estimated generation as contained within the contracts. There is no gas, market purchases, market sales, or other generation depicted on the graphs or analysis.

Q. What is shown by this analysis?

A. This analysis shows the frequency with which Idaho Power's system, when in a state where it cannot be backed down any further, will have generation resources in excess of its system load. This will put the system into an imbalanced, over-generation state unless some remedial

action is taken to balance the system. If remedial actions are not available, or not employed in a timely manner, then the Company can have system reliability violations, events, and/or outages and damage. In fact, over the last several years, reliability curtailments of PURPA generation have been necessary in order to maintain the integrity of Idaho Power's system. For the period from May 2011 through December 2014, the Company has had at least 15 reliability events that resulted in wind generation output reductions in order to maintain the reliable operation of the Company's electrical system. These curtailments, or generation limitation set points, have been relatively infrequent, for relatively short durations, and are removed as soon as possible once it can safely be done and maintain a balanced system.

Q. What is the frequency of hours, over the years 2016 and 2017, in which Idaho Power's must-run and must-take resources exceed total system load?

A. The summary page of Exhibit No. 6 shows the frequency of hours in which must-run and must-take generation will exceed total system load, and is broken out into four categories: (1) Idaho Power's Company-owned must-run hydro and coal plus non-PURPA must-take power purchases, without the addition of any PURPA generation - 2,492 hours, or 14 percent, of all 17,544 hours during 2016

and 2017; (2) everything included in category 1 plus all existing PURPA generation (excluding solar) – 5,120 hours, or 29 percent, of all 17,544 hours during 2016 and 2017; (3) everything included in category 2 plus all PURPA under contract (including PURPA solar under contract – 461 MW) – 5,709 hours, or 33 percent, of all 17,544 hours during 2016 and 2017; and last, (4) everything in category 3 plus the 885 MW of proposed PURPA solar – 6,952 hours, or 40 percent, of all 17,544 hours during 2016 and 2017. Each one of these hours creates a potential over-generation event where remedial action of some kind will be necessary to keep the system in balance and meet the obligation to reliably serve customers.

Q. Can you describe your remaining exhibits?

A. Yes. Exhibit No. 7 shows the annual actual and forecasted PURPA expense from 2004 through 2025, which increases from approximately $40 million in 2004 to approximately $230 million in 2025. This is an approximate 575 percent increase over those 22 years.

Exhibit No. 8 shows the approved net power supply expense included in Idaho Power's base rates on a normalized basis for 2010, 2012, and 2013.

Q. What costs have been included in base rates for net power supply expenses over those years?

A. Exhibit No. 8 shows the major Federal Energy Regulatory Commission ("FERC") accounts for net power supply expenses that have been included in base rates since 2010. The major FERC accounts include Account 501, Coal; Account 547, Gas; Account 555, Purchases; and Account 447; Surplus Sales. Account 555, Purchases, has been split into two separate line items, one for purchases that are non-PURPA related and the other for purchases of PURPA generation.

Q. What do these numbers reflect with regard to the relationship of purchases for PURPA compared to the other cost components of net power supply expense?

A. It has been suggested that even though PURPA generation may not be needed to meet current customer load, it can be assumed that the excess generation could be sold as surplus sales, and therefore benefit the customer by a reduction on net power supply expense. Based upon the dollars included in base rates that are reflected in Exhibit No. 8, this assumption would not be accurate. In fact, even though net power supply expenses associated with the purchase of PURPA have increased, surplus sales have decreased, both in volume and in dollars. The gap between the cost per MWh of PURPA and the price for surplus sales has widened, meaning that the average price included in base rates that the Company must pay to purchase PURPA

generation even though it is not needed to meet load is greater than the price the Company could sell that same generation on the market. Customers are adversely impacted by having to pay for generation that is not needed to serve load while decreasing the amount of the surplus sales credit offset.

Q. Why have surplus sales decreased so much in recent years, both in terms of dollars and volume?

A. There may be a number of reasons for the reduction in surplus sales. One reason may be the increased amount of available generation in the Pacific Northwest, much of it due to the increase in wind and solar generation. Another major reason for the lower price of surplus sales may be the cost of gas, which has decreased significantly over the past several years. The bottom line is that it may not be prudent to lock in long-term pricing for generation at a time when overall costs for technology and fuel are decreasing.

Q. What is the relationship of the cost for PURPA generation compared to the costs of the other components of net power supply expense?

A. As shown in Exhibit No. 8, the cost of purchases of PURPA generation contained in base rates, on a dollars per MWh basis, is now greater than all the other cost components. At $62.49 per MWh, the average cost of

PURPA purchases is greater than the average cost of coal at $22.79 per MWh, greater than gas at $33.57 per MWh, greater than non-PURPA purchases of $50.64 per MWh, and significantly greater than what is being sold as surplus sales at $22.41 per MWh.

Q. What is the implication of these pricing differences and the potential impact on the Company's customers?

A. If the Company is required to purchase PURPA generation when it is not needed, the Company may be required to curtail other less expensive sources of generation or market purchases in order to continue purchasing PURPA generation at a higher cost. This would mean that the Company's overall net power supply expense, on a dollars per MWh basis, would increase, adversely impacting the customer.

Q. Are you presenting any other exhibits?

A. Yes. The last two exhibits I am sponsoring are Exhibit Nos. 9 and 10. Exhibit No. 9 is similar to Exhibit No. 3, except the information is for PUPRA solar projects that are under contract as of January 20, 2015. Each project is listed individually by name. Exhibit No. 9 shows each project's size in MW, the term of the contracts (which are all for 20 years), the location by state, the scheduled operation date (which is 2016 for all projects),

and the estimated contractual obligation for both a 20-year term and 2-year term in dollars.

Exhibit No. 10 is a graphical depiction of the average actual per MWh cost of PURPA energy purchases and Mid-C market prices through year-end 2014 and the same two values forecasted through 2030.

Q. Does this conclude your testimony?

A. Yes.

ATTESTATION OF TESTIMONY

STATE OF IDAHO)
) ss.
County of Ada)

I, Randy Allphin, having been duly sworn to testify truthfully, and based upon my personal knowledge, state the following:

I am employed by Idaho Power Company as the Energy Contracts Coordinator Leader in the Load Serving Operations Group and am competent to be a witness in this proceeding.

I declare under penalty of perjury of the laws of the state of Idaho that the foregoing pre-filed testimony and exhibits are true and correct to the best of my information and belief.

DATED this 30th day of January 2015.

Randy Allphin

SUBSCRIBED AND SWORN to before me this 30th day of January 2015.

CHRISTA S. BEARRY NOTARY PUBLIC STATE OF IDAHO

Notary Public for Idaho
Residing at: Boise, Idaho
My commission expires: 02/04/2015


NOTARY
PUBLIC

BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-15-01

IDAHO POWER COMPANY

ALLPHIN, DI TESTIMONY

EXHIBIT NO. 1

IDAHO POWER COMPANY
PURPA Projects Under Contract & Proposed

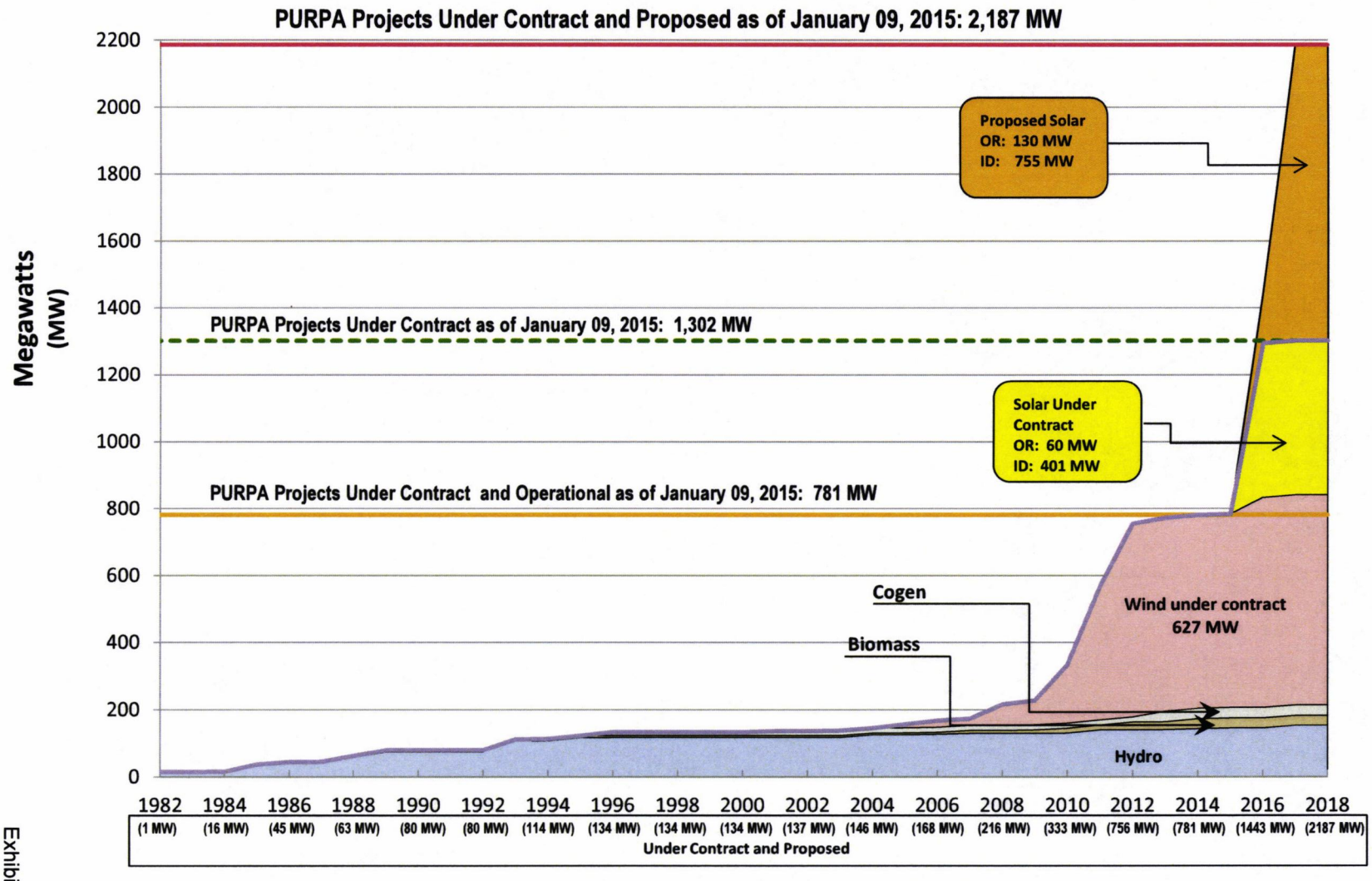

Exhibit No. 1
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R. Allphin, IPC
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BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-15-01

IDAHO POWER COMPANY

ALLPHIN, DI
TESTIMONY

EXHIBIT NO. 2

Idaho Power Company
Renewable Energy Contracts List

SUMMARY		
PURPA Projects	133	1,302.08 MW
OregonSolar Projects	60	0.46 MW
Non PURPA Projects	3	135.65 MW
	196	**1,438.19 MW**

SUMMARY BY FACILITY TYPE

PURPA PROJECTS ONLINE		
Biomass	10	29.45 MW
CoGen	1	15.90 MW
Thermal	3	15.00 MW
Hydro	64	143.70 MW
Wind	27	576.92 MW
	105	**780.97 MW**

PURPA PROJECTS UNDER CONTRACT NOT YET ONLINE		
Solar	19	461.00 MW
Hydro	4	10.11 MW
Wind	5	50.00 MW
	28	**521.11 MW**

OregonSolar PROJECTS ONLINE		
OR Solar	55	0.42 MW
	55	**0.42 MW**

OregonSolar PROJECTS UNDER CONTRACT NOT YET ONLINE		
OR Solar	5	0.04 MW
	5	**0.04 MW**

Non PURPA PROJECTS ONLINE		
Geothermal	2	35.00 MW
Wind	1	100.65 MW
	3	**135.65 MW**

Totals	Projects	Capacity
	196	**1,438.19 MW**

Idaho Power Company
Renewable Energy Contracts List

PROJECT DETAILS

PURPA PROJECTS ONLINE

Project Number	Facility Type	Project Name	State	County	ProjectSize (MW)
31616150	Biomass	B6 Anaerobic Digester	ID	Gooding	2.28
41365515	Biomass	Bannock County Landfill	ID	Bannock County	3.20
31615100	Biomass	Bettencourt Dry Creek BioFactory, LLC	ID	Twin Falls	2.25
31616100	Biomass	Big Sky West Dairy Digester (DF-AP #1, LLC)	ID	Gooding	1.50
31616115	Biomass	Double A Digester Project	ID	Lincoln	4.50
21865113	Biomass	Fighting Creek Landfill Gas to Energy Station	ID	Kootenai	3.06
21615100	Biomass	Hidden Hollow Landfill Gas	ID	Ada	3.20
41455091	Biomass	Pocatello Waste	ID	Bannock	0.46
31616110	Biomass	Rock Creek Dairy	ID	Twin Falls	4.00
11766002	Biomass	Tamarack Cspp	ID	Adams	5.00
Total Biomass Projects: 10					**29.45**
41866113	CoGen	Simplot Pocatello	ID	Power	15.90
Total CoGen Projects: 1					**15.90**
31765150	Thermal	Magic Valley	ID	Minidoka	10.00
21662100	Thermal	Tasco - Nampa	ID	Canyon	2.00
31616082	Thermal	Tasco - Twin Falls	ID	Twin Falls	3.00
Total Thermal Projects: 3					**15.00**
21615205	Hydro	Arena Drop	ID	Canyon	0.45
21615078	Hydro	Barber Dam	ID	Ada	3.70
31214058	Hydro	Birch Creek	ID	Gooding	0.05
31415065	Hydro	Black Canyon #3	ID	Gooding	0.14
31615140	Hydro	Blind Canyon	ID	Gooding	1.63
31416013	Hydro	Box Canyon	ID	Twin Falls	0.36
31515100	Hydro	Briggs Creek	ID	Twin Falls	0.60
31715126	Hydro	Bypass	ID	Jerome	9.96
31416020	Hydro	Canyon Springs	ID	Twin Falls	0.13
31616081	Hydro	Cedar Draw	ID	Twin Falls	1.55
31516014	Hydro	Clear Springs Trout	ID	Twin Falls	0.52
31615057	Hydro	Crystal Springs	ID	Twin Falls	2.44
31415023	Hydro	Curry Cattle Company	ID	Twin Falls	0.22
31615106	Hydro	Dietrich Drop	ID	Jerome	4.50
44395973	Hydro	Eightmile Hydro Project	ID	Lemhi	0.36
11615077	Hydro	Elk Creek	ID	Idaho	2.00
41717137	Hydro	Falls River	ID	Fremont	9.10
21615215	Hydro	Fargo Drop Hydroelectric	ID	Canyon	1.27
31615121	Hydro	Faulkner Ranch	ID	Gooding	0.87
31415134	Hydro	Fisheries Dev.	ID	Gooding	0.26
31615098	Hydro	Geo-Bon #2	ID	Lincoln	0.93
31315093	Hydro	Hailey Cspp	ID	Blaine	0.06
31715128	Hydro	Hazelton A	ID	Jerome	8.10
31715140	Hydro	Hazelton B	ID	Jerome	7.60
11715144	Hydro	Horseshoe Bend Hydro	ID	Boise	9.50
31415094	Hydro	Jim Knight	ID	Gooding	0.34
31615031	Hydro	Kasel & Witherspoon	ID	Twin Falls	0.90
31615030	Hydro	Koyle Small Hydro	ID	Gooding	1.25
31615056	Hydro	Lateral # 10	ID	Twin Falls	2.06
31316015	Hydro	Lemoyne	ID	Gooding	0.08
31615105	Hydro	Little Wood Rvr Res	ID	Blaine	2.85
31515107	Hydro	Littlewood / Arkoosh	ID	Lincoln	0.87
31715099	Hydro	Low Line Canal	ID	Twin Falls	7.97
31615130	Hydro	Low Line Midway Hydro	ID	Twin Falls	2.50
31615125	Hydro	Lowline #2	ID	Twin Falls	2.79
31715123	Hydro	Magic Reservoir	ID	Blaine	9.07
31515009	Hydro	Malad River	ID	Gooding	0.62
31615117	Hydro	Marco Ranches	ID	Jerome	1.20
31615154	Hydro	Mile 28	ID	Jerome	1.50
12618250	Hydro	Mill Creek Hydroelectric	OR	Union	0.80

Idaho Power Company
Renewable Energy Contracts List

12614070	Hydro	Mitchell Butte	OR	Malheur	2.09
21615200	Hydro	Mora Drop Small Hydroelectric Facility	ID	Ada	1.85
31515004	Hydro	Mud Creek/S & S	ID	Twin Falls	0.52
31414111	Hydro	Mud Creek/White	ID	Twin Falls	0.21
12616071	Hydro	Owyhee Dam Cspp	OR	Malheur	5.00
31615067	Hydro	Pigeon Cove	ID	Twin Falls	1.89
31415164	Hydro	Pristine Springs #1	ID	Jerome	0.13
31415165	Hydro	Pristine Springs Hydro #3	ID	Jerome	0.20
21415119	Hydro	Reynolds Irrigation	ID	Canyon	0.26
31615003	Hydro	Rock Creek #1	ID	Twin Falls	2.05
31615104	Hydro	Rock Creek #2	ID	Twin Falls	1.90
31515103	Hydro	Sagebrush	ID	Lincoln	0.43
31617100	Hydro	Sahko Hydro	ID	Twin Falls	0.50
41515122	Hydro	Schaffner	ID	Lemhi	0.53
11415009	Hydro	Shingle Creek	ID	Adams	0.22
31615158	Hydro	Shoshone #2	ID	Lincoln	0.58
31416001	Hydro	Shoshone Cspp	ID	Lincoln	0.37
31315021	Hydro	Snake River Pottery	ID	Gooding	0.07
31414075	Hydro	Snedigar	ID	Twin Falls	0.54
41717139	Hydro	Tiber Dam	MT	Liberty County	7.50
31415027	Hydro	Trout-Co	ID	Gooding	0.24
12616072	Hydro	Tunnel #1	OR	Malheur	7.00
31315029	Hydro	White Water Ranch	ID	Gooding	0.16
31715141	Hydro	Wilson Lake Hydro	ID	Jerome	8.40
Total Hydro Projects: 64					**143.70**

21615101	Wind	Bennett Creek Wind Farm	ID	Elmore	21.00
31765170	Wind	Burley Butte Wind Park	ID	Cassia	21.30
31315050	Wind	Camp Reed Wind Park	ID	Elmore	22.50
31318100	Wind	Cassia Wind Farm LLC	ID	Twin Falls	10.50
21615115	Wind	Cold Springs Windfarm	ID	Elmore	23.00
21615120	Wind	Desert Meadow Windfarm	ID	Elmore	23.00
31315035	Wind	Fossil Gulch Wind	ID	Twin Falls	10.50
31765160	Wind	Golden Valley Wind Park	ID	Cassia	12.00
21615125	Wind	Hammett Hill Windfarm	ID	Elmore	23.00
31315130	Wind	High Mesa Wind Project	ID	Twin Falls/Elmore	40.00
41718140	Wind	Horseshoe Bend Wind	MT	Cascade	9.00
21615105	Wind	Hot Springs Wind Farm	ID	Elmore	21.00
12618200	Wind	Lime Wind Energy	OR	Baker	3.00
21615130	Wind	Mainline Windfarm	ID	Elmore	23.00
31720190	Wind	Milner Dam Wind	ID	Cassia	19.92
31315075	Wind	Oregon Trail Wind Park	ID	Twin Falls	13.50
31315060	Wind	Payne's Ferry Wind Park	ID	Twin Falls	21.00
31315045	Wind	Pilgrim Stage Station Wind Park	ID	Twin Falls	10.50
41455300	Wind	Rockland Wind Farm	ID	Power	80.00
21615135	Wind	Ryegrass Windfarm	ID	Elmore	23.00
31618100	Wind	Salmon Falls Wind	ID	Twin Falls	22.00
21615110	Wind	Sawtooth Wind Project	ID	Elmore	22.00
31315055	Wind	Thousand Springs Wind Park	ID	Twin Falls	12.00
31315065	Wind	Tuana Gulch Wind Park	ID	Twin Falls	10.50
31315150	Wind	Tuana Springs Expansion	ID	Twin Falls	35.70
21615140	Wind	Two Ponds Windfarm	ID	Elmore	23.00
31315070	Wind	Yahoo Creek Wind Park	ID	Twin Falls	21.00
Total Wind Projects: 27					**576.92**

Idaho Power Company
Renewable Energy Contracts List

PURPA PROJECTS UNDER CONTRACT NOT YET ONLINE

Project Number	Facility Type	Project Name	State	County	ProjectSize (MW)	Estimated Operation Date
25586937	Solar	American Falls Solar II, LLC	ID	Power	20.00	12/1/2016
25591644	Solar	American Falls Solar, LLC	ID	Power	20.00	12/1/2016
25088520	Solar	Boise City Solar, LLC	ID	Ada	40.00	1/16/2016
25244913	Solar	Clark Solar 1, LLC	ID	Elmore	71.00	12/31/2016
25253149	Solar	Clark Solar 2, LLC	ID	Elmore	20.00	12/31/2016
25261338	Solar	Clark Solar 3, LLC	ID	Elmore	30.00	12/31/2016
25289173	Solar	Clark Solar 4, LLC	ID	Elmore	20.00	12/31/2016
12616100	Solar	Grand View PV Solar Two	ID	Elmore	80.00	9/1/2016
12727358	Solar	Grove Solar Center, LLC	OR	Malheur	10.00	12/31/2016
12739324	Solar	Hyline Solar Center, LLC	OR	Malheur	10.00	12/31/2016
25031625	Solar	Mountain Home Solar, LLC	ID	Elmore	20.00	12/31/2016
25524198	Solar	Murphy Flat Power, LLC	ID	Owhyee	20.00	12/1/2016
12705219	Solar	Open Range Solar Center, LLC	OR	Malheur	10.00	12/31/2016
25573998	Solar	Orchard Ranch Solar, LLC	ID	Ada	20.00	12/1/2016
25075329	Solar	Pocatello Solar 1, LLC	ID	Power	20.00	12/31/2016
12741175	Solar	Railroad Solar Center, LLC	OR	Malheur	10.00	12/31/2016
25580735	Solar	Simco Solar, LLC	ID	Elmore	20.00	12/1/2016
12745920	Solar	Thunderegg Solar Center, LLC	OR	Malheur	10.00	12/31/2016
12719362	Solar	Vale Air Solar Center, LLC	OR	Malheur	10.00	12/31/2016
Total Solar Projects: 19					**461.00**	
20140708	Hydro	Black Canyon Bliss Hydro	ID	Gooding	0.03	11/15/2014
20140601	Hydro	Clark Canyon Hydroelectric	MT	Beaverhead	7.55	6/1/2017
20140328	Hydro	Head of U Canal Project	ID	Jerome	1.28	5/1/2015
31515110	Hydro	Little Wood River Ranch II	ID	Shoshone	1.25	6/1/2015
Total Hydro Projects: 4					**10.11**	
12618240	Wind	Benson Creek Windfarm	OR	Baker	10.00	12/31/2016
12618230	Wind	Durbin Creek Windfarm	OR	Baker	10.00	12/31/2016
12618220	Wind	Jett Creek Windfarm	OR	Baker	10.00	12/31/2016
12618210	Wind	Prospector Windfarm	OR	Baker	10.00	12/31/2016
12618245	Wind	Willow Spring Windfarm	OR	Baker	10.00	12/31/2016
Total Wind Projects: 5					**50.00**	

Idaho Power Company
Renewable Energy Contracts List

OregonSolar PROJECTS ONLINE

Project Number	Facility Type	Project Name	State	County	ProjectSize (MW)
90001311	OR Solar	7 kW Shaffer Solar	OR	Malheur	0.01
90001416	OR Solar	Chamberlain Dairy	OR	Malheur	0.01
90001413	OR Solar	Chamberlain House	OR	Malheur	0.01
90000028	OR Solar	Cliff and Pat Looney	OR	Malheur	0.01
90000005	OR Solar	Clinton Kennington	OR	Malheur	0.01
90000079	OR Solar	Dean Mackey_79	OR	Malheur	0.01
90000025	OR Solar	Findley Family Trust - Findley Land and Livestock	OR	Malheur	0.01
90000075	OR Solar	Findley Land and Livestock_75	OR	Malheur	0.00
90000081	OR Solar	Findley Land and Livestock_81	OR	Malheur	0.00
90000006	OR Solar	Gary Taylor_06	OR	Malheur	0.01
90000003	OR Solar	Gordon D. Luther_03	OR	Malheur	0.01
90000007	OR Solar	Gordon Dale Luther_07	OR	Malheur	0.01
90000077	OR Solar	Jason Peters_77	OR	Malheur	0.01
90001301	OR Solar	Jensen Farms LLC_1301	OR	Malheur	0.00
90001302	OR Solar	Jensen Farms LLC_1302	OR	Malhuer	0.01
90001303	OR Solar	Jensen Farms LLC_1303	OR	Malheur	0.01
90001307	OR Solar	Jensen Farms LLC_1307	OR	Malhuer	0.00
90001310	OR Solar	Jensen Farms LLC_1310	OR	Malheur	0.01
90000043	OR Solar	Jensen Farms LLC_43	OR	Malheur	0.01
90000045	OR Solar	Jensen Farms LLC_45	OR	Malheur	0.01
90000046	OR Solar	Jensen Farms LLC_46	OR	Malheur	0.01
90000047	OR Solar	Jensen Farms LLC_47	OR	Malheur	0.01
90000048	OR Solar	Jensen Farms LLC_48	OR	Malheur	0.01
90000050	OR Solar	Jensen Farms LLC_50	OR	Malheur	0.01
90000052	OR Solar	Jensen Farms LLC_52	OR	Malheur	0.01
90000054	OR Solar	Jensen Farms LLC_54	OR	Malheur	0.01
90000056	OR Solar	Jensen Farms LLC_56	OR	Malheur	0.01
90000057	OR Solar	Jensen Farms LLC_57	OR	Malheur	0.01
90000060	OR Solar	Jensen Farms LLC_60	OR	Malheur	0.01
90000076	OR Solar	Jensen Farms LLC_76	OR	Malheur	0.01
90000044	OR Solar	Kenneth Jensen_44	OR	Malheur	0.01
90001306	OR Solar	Malheur County Fairgrounds #1	OR	Malheur	0.01
90001313	OR Solar	Malheur County Fairgrounds #2	OR	Malheur	0.01
90001315	OR Solar	Malheur County Fairgrounds #3	OR	Malheur	0.01
90000073	OR Solar	Mark Wettstein_73	OR	Malheur	0.01
90000088	OR Solar	Mark Wettstein_88	OR	Malheur	0.01
90001414	OR Solar	Michael McGourty	OR	Malheur	0.01
90001312	OR Solar	Onion Storage_1312	OR	Malheur	0.01
90000063	OR Solar	Ontario City Hall_63	OR	Malheur	0.01
90000072	OR Solar	Ontario Golf Clubhouse_72	OR	Malheur	0.01
90000062	OR Solar	Ontario Public Works Shop_62	OR	Malheur	0.01
90000059	OR Solar	Ontario WTP East Bldg_59	OR	Malheur	0.01
90000055	OR Solar	Ontario WTP West Ponds_55	OR	Malheur	0.01
90000080	OR Solar	Ontario WWTP Aerators_80	OR	Malheur	0.01
90000084	OR Solar	Ontario WWTP Building_84	OR	Malheur	0.01
90000086	OR Solar	Ontario WWTP Lift Station_86	OR	Malheur	0.01
90000051	OR Solar	Pine Eagle High School	OR	Baker	0.01
90000064	OR Solar	Pine Eagle Middle School	OR	Baker	0.01
90000078	OR Solar	Pine Eagle Pump Station	OR	Baker	0.01
90000001	OR Solar	Randy Bauer	OR	Malheur	0.01
90000067	OR Solar	Robert Mairs_67	OR	Malheur	0.01
90000002	OR Solar	Roger Findley	OR	Malheur	0.01
90000061	OR Solar	Roger Findley_61	OR	Malheur	0.01
90001309	OR Solar	Schuster	OR	Malheur	0.01
90000004	OR Solar	Treasure Valley Community College	OR	Malheur	0.01
Total OR Solar Projects: 55					**0.42**

Idaho Power Company
Renewable Energy Contracts List

OregonSolar PROJECTS UNDER CONTRACT NOT YET ONLINE

Project Number	Facility Type	Project Name	State	County	ProjectSize (MW)
90001412	OR Solar	Clark - 5th Ave Pivot	OR	Malheur	0.00
90001411	OR Solar	Clark - 6th Ave Rental	OR	Malheur	0.01
90001415	OR Solar	Clark - Jake's House	OR	Malhuer	0.01
90001410	OR Solar	Clark - New House	OR	Malheur	0.01
90001417	OR Solar	Jackie Hansen	OR	Malheur	0.01
Total OR Solar Projects: 5					**0.04**

Non PURPA PROJECTS ONLINE

Project Number	Facility Type	Project Name	State	County	ProjectSize (MW)
10000003	Geothermal	Neal Hot Springs Unit #1	OR	Malheur	22.00
10000002	Geothermal	Raft River Unit #1	ID	Cassia	13.00
Total Geothermal Projects: 2					**35.00**
10000001	Wind	Elkhorn Wind Project	OR	Union	100.65
Total Wind Projects: 1					**100.65**

BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-15-01

IDAHO POWER COMPANY

ALLPHIN, DI
TESTIMONY

EXHIBIT NO. 3

	Idaho Power Company Proposed PURPA Solar - As of January 20, 2015 Idaho							
	Project Name	**Project Developer**	**MWac**	**Term (Years)**	**State**	**Estimated Operation Date**	**Estimated Obligation (includes integration)**	**Estimated 2 Year Obligation (includes integration)**
1	Project A1	Developer A	80	20	Idaho	12/01/16	$194,097,773	$9,903,565
2	Project A2	Developer A	28	20	Idaho	12/01/16	$67,364,680	$3,418,565
3	Project A3	Developer A	30	20	Idaho	12/31/16	$58,638,038	$2,561,512
4	Project A4	Developer A	30	20	Idaho	12/31/16	$57,091,198	$2,435,210
5	Project B1	Developer B	20	20	Idaho	10/30/16	$48,117,629	$2,441,832
6	Project B2	Developer B	20	20	Idaho	10/30/16	$47,758,118	$2,413,450
7	Project C1	Developer C	20	20	Idaho	12/31/16	$53,382,246	$2,318,923
8	Project C2	Developer C	20	20	Idaho	12/31/16	$53,283,030	$2,337,229
9	Project C3	Developer C	20	20	Idaho	12/31/16	$49,203,964	$2,150,196
10	Project C4	Developer C	20	20	Idaho	12/31/16	$49,360,962	$2,148,558
11	Project C5	Developer C	20	20	Idaho	12/31/16	$48,760,343	$2,084,643
12	Project C6	Developer C	20	20	Idaho	12/31/16	$51,486,568	$2,208,705
13	Project C7	Developer C	20	20	Idaho	12/31/16	$51,493,788	$2,178,763
14	Project C8	Developer C	20	20	Idaho	12/31/16	$51,355,246	$2,169,541
15	Project C9	Developer C	20	20	Idaho	12/31/16	$51,797,624	$2,148,386
16	Project C10	Developer C	20	20	Idaho	12/31/16	$48,438,230	$2,048,049
17	Project D1	Developer D	6	20	Idaho	12/31/16	$13,450,419	$652,511
18	Project D2	Developer D	7.5	20	Idaho	12/31/16	$16,813,024	$815,639
19	Project D3	Developer D	10	20	Idaho	12/31/16	$22,417,366	$1,087,519
20	Project D4	Developer D	10	20	Idaho	12/31/16	$22,417,366	$1,087,519
21	Project E1	Developer E	13	20	Idaho	12/31/16	$29,142,575	$1,413,775
22	Project E2	Developer E	20	20	Idaho	12/31/16	$44,834,731	$2,175,038
23	Project E3	Developer E	13	20	Idaho	12/31/16	$29,142,575	$1,413,775
24	Project E4	Developer E	20	20	Idaho	12/31/16	$44,077,867	$2,113,543
25	Project E5	Developer E	20	20	Idaho	12/31/16	$43,264,238	$2,047,317
26	Project E6	Developer E	20	20	Idaho	12/31/16	$43,264,238	$2,047,317
27	Project E7	Developer E	20	20	Idaho	12/31/16	$43,264,238	$2,047,317
28	Project E8	Developer E	20	20	Idaho	12/31/16	$43,264,238	$2,047,317
29	Project E9	Developer E	20	20	Idaho	12/31/16	$42,356,002	$1,972,577
30	Project E10	Developer E	20	20	Idaho	12/31/16	$41,372,078	$1,893,106
31	Project E11	Developer E	20	20	Idaho	12/31/16	$41,372,078	$1,893,106
32	Project E12	Developer E	13	20	Idaho	12/31/16	$26,891,851	$1,230,519
33	Project F1	Developer F	70	20	Idaho	12/31/16	$138,908,196	$6,145,736
34	Project G1	Developer G	3	20	Idaho	12/31/16	$5,863,804	$256,151
35	Project H1	Developer H	1	20	Idaho	12/31/16	$1,818,839	$74,315
36	Project I1	Developer I	20	20	Idaho	12/31/16	$36,376,776	$1,486,292
		Subtotal	**755**				**$1,711,941,939**	**$78,867,516**

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	Idaho Power Company Proposed PURPA Solar - As of January 20, 2015 Oregon							
	Project Name	**Project Developer**	**MWac**	**Term (Years)**	**State**	**Scheduled Operation Date**	**Estimated Obligation (includes integration)**	**Estimated 2 Year Obligation (includes integration)**
37	Project J1	Developer J	10	20	Oregon	06/15/16	$30,282,970	$2,004,849
38	Project E13	Developer E	20	20	Oregon	12/31/16	$41,372,078	$1,893,106
39	Project K1	Developer K	10	20	Oregon	12/31/16	$31,889,203	$2,084,319
40	Project K2	Developer K	10	20	Oregon	12/31/16	$31,889,203	$2,084,319
41	Project K3	Developer K	10	20	Oregon	12/31/16	$31,889,203	$2,084,319
42	Project K4	Developer K	10	20	Oregon	12/31/16	$31,889,203	$2,084,319
43	Project K5	Developer K	10	20	Oregon	12/31/16	$31,889,203	$2,084,319
44	Project K6	Developer K	10	20	Oregon	12/31/16	$31,889,203	$2,084,319
45	Project K7	Developer K	10	20	Oregon	12/31/16	$31,889,203	$2,084,319
46	Project K8	Developer K	10	20	Oregon	12/31/16	$31,889,203	$2,084,319
47	Project K9	Developer K	10	20	Oregon	12/31/16	$31,889,203	$2,084,319
48	Project K10	Developer K	10	20	Oregon	12/31/16	$31,889,203	$2,084,319
		Subtotal	**130**				**$390,547,080**	**$24,741,148**
		Total	**885**				**$2,102,489,019**	**$103,608,664**

BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-15-01

IDAHO POWER COMPANY

ALLPHIN, DI TESTIMONY

EXHIBIT NO. 4

Idaho Power Company
Cogeneration and Small Power Production

Contract Obligations

As of Januray 9, 2015

	Total	Jauary 2015 thru December 2015	Jauary 2016 thru December 2016	Jauary 2017 thru December 2017	Jauary 2018 thru December 2018	Jauary 2019 thru December 2019	January 2020 thereafter
Signed Contracts							
Biomass	$129,396,682	$10,902,003	$11,140,739	$11,323,374	$9,677,415	$8,731,528	$77,621,623
CoGen	$711,734	$711,734	$0	$0	$0	$0	$0
Hydro	$316,201,084	$29,200,128	$29,431,439	$29,193,303	$28,887,665	$26,899,782	$172,588,768
Thermal	$10,042,042	$5,181,765	$4,742,841	$4,975	$4,975	$4,975	$102,511
Wind	$2,188,102,509	$96,703,438	$95,612,929	$102,805,974	$111,093,183	$108,913,655	$1,672,973,331
Subtotal	$2,644,454,051	$142,699,066	$140,927,948	$143,327,626	$149,663,239	$144,549,939	$1,923,286,232
Solar	$1,665,238,886	$0	$8,674,889	$45,136,736	$48,767,398	$51,141,123	$1,511,518,740
Total	$4,309,692,937	$142,699,066	$149,602,837	$188,464,362	$198,430,637	$195,691,063	$3,434,804,972
Proposed Contracts							
Biomass	$0						
Cogen	$0						
Hydro	$0						
Thermal	$0						
Wind	$0						
Solar	$2,102,489,019	$0	$0	$105,124,451	$105,124,451	$105,124,451	$1,787,115,666
Total	$2,102,489,019	$0	$0	$105,124,451	$105,124,451	$105,124,451	$1,787,115,666
Signed and Proposed							
Biomass	$129,396,682	$10,902,003	$11,140,739	$11,323,374	$9,677,415	$8,731,528	$77,621,623
Cogen	$711,734	$711,734	$0	$0	$0	$0	$0
Hydro	$316,201,084	$29,200,128	$29,431,439	$29,193,303	$28,887,665	$26,899,782	$172,588,768
Thermal	$10,042,042	$5,181,765	$4,742,841	$4,975	$4,975	$4,975	$102,511
Wind	$2,188,102,509	$96,703,438	$95,612,929	$102,805,974	$111,093,183	$108,913,655	$1,672,973,331
Solar	$3,767,727,904	$0	$8,674,889	$150,261,187	$153,891,849	$156,265,574	$3,298,634,405
Total	$6,412,181,955	$142,699,066	$149,602,837	$293,588,813	$303,555,088	$300,815,514	$5,221,920,638

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IDAHO PUBLIC UTILITIES COMMISSION

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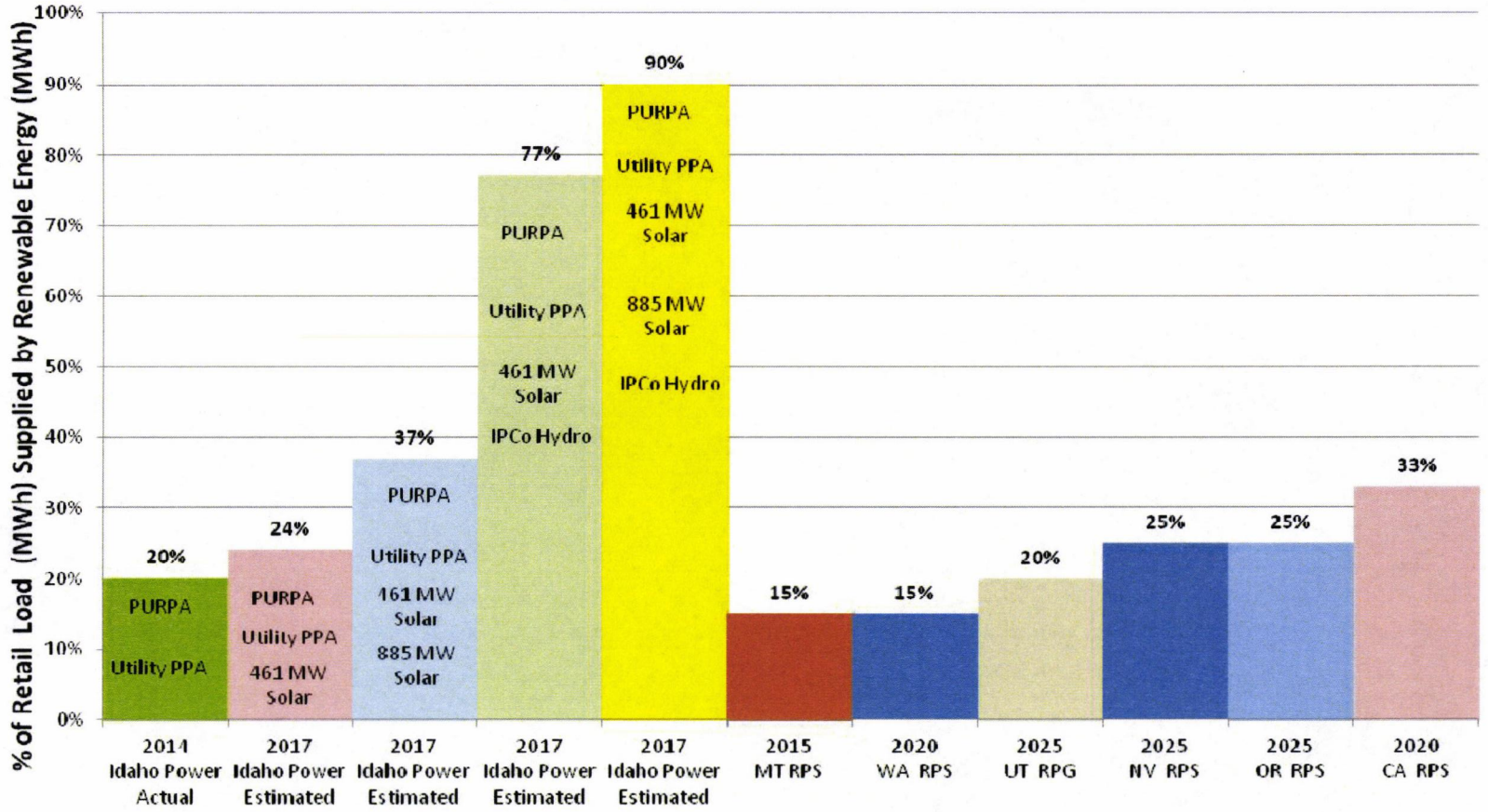
IDAHO POWER COMPANY

ALLPHIN, DI TESTIMONY

EXHIBIT NO. 5

Idaho Power Compared to Regional Renewable Portfolio Standard (RPS)/Renewable Portfolio Goal(RPG)



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BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

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IDAHO POWER COMPANY

ALLPHIN, DI TESTIMONY

EXHIBIT NO. 6

Idaho Power Company
Estimated Load, Must run Resources, Utility PPAs and PURPA
Calendar Years of 2016 and 2017

17,544 Hours	14% **2,492 Hours**	29% **5,120 Hours**	33% **5,709 Hours**	40% **6,952 Hours**
Total hours in 2016 and 2017	IPCO Only - Must run and take from Utility PPAs	IPCO Must run, must take from PPAs, plus PURPA excluding solar	IPCO Must Run, must take from Utility PPAs, plus all PURPA under contract (including solar)	IPCO Must Run, must take from Utility PPAs, all PURPA under contract (including solar), plus 885 MW of Proposed Solar

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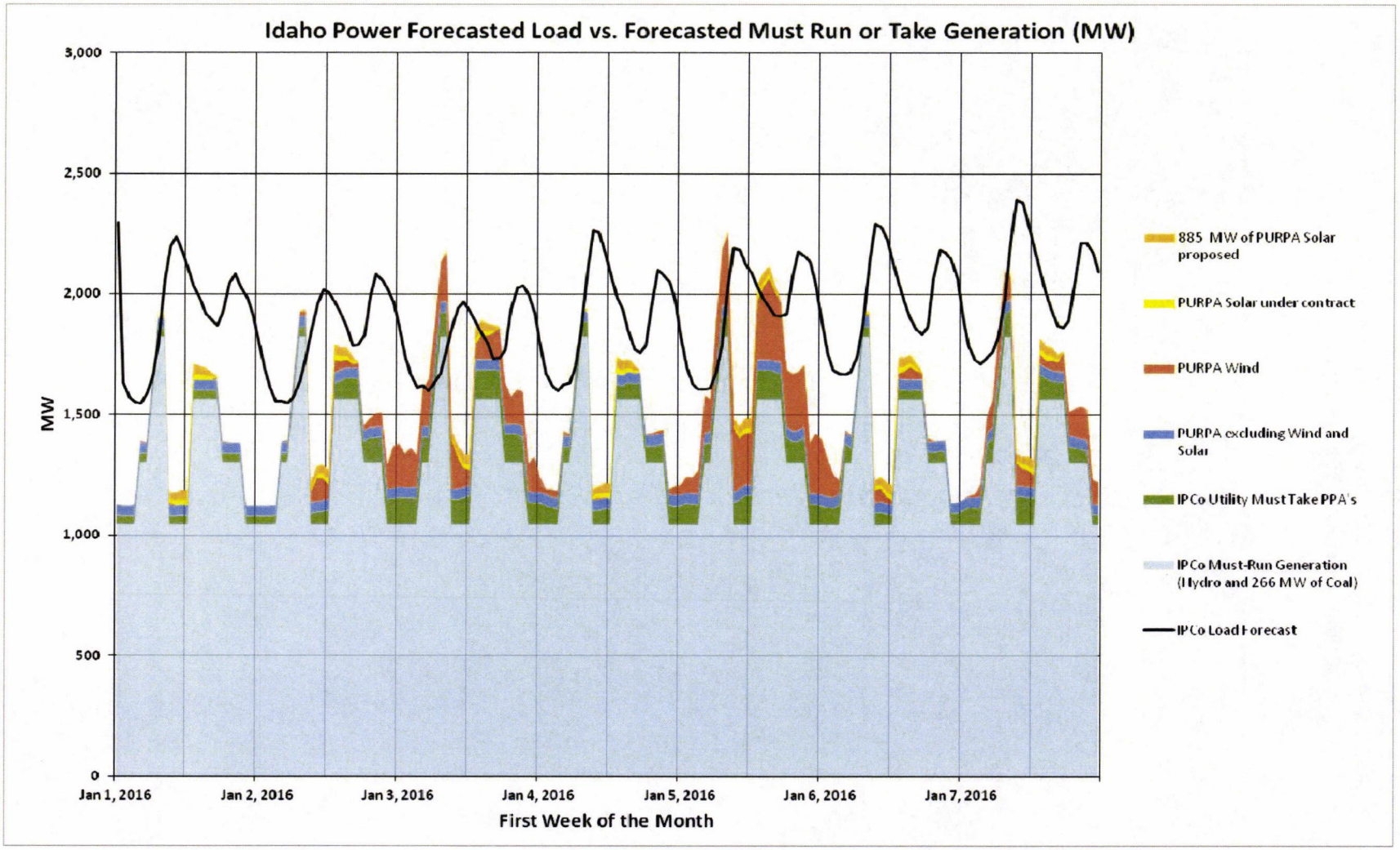

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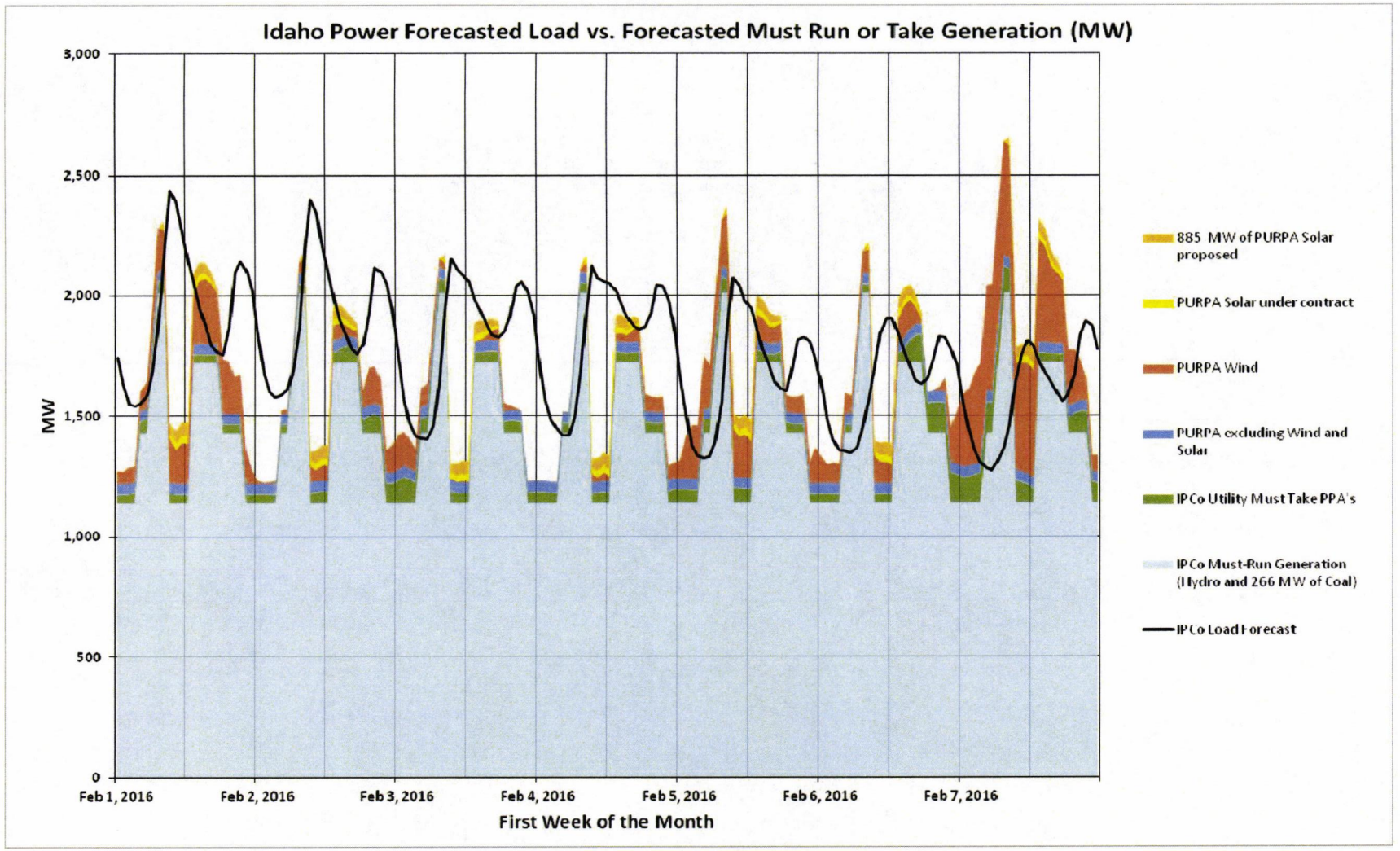

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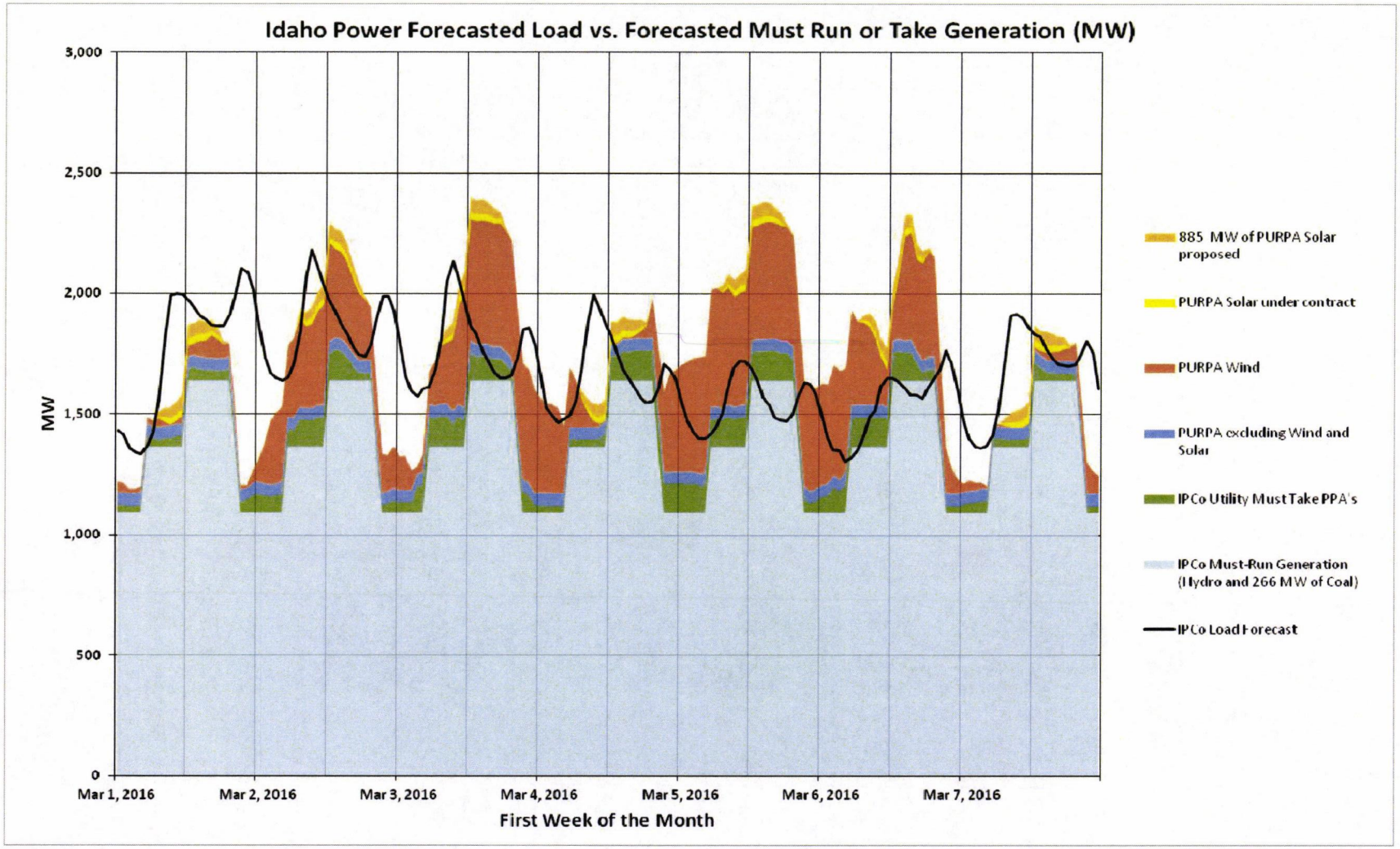
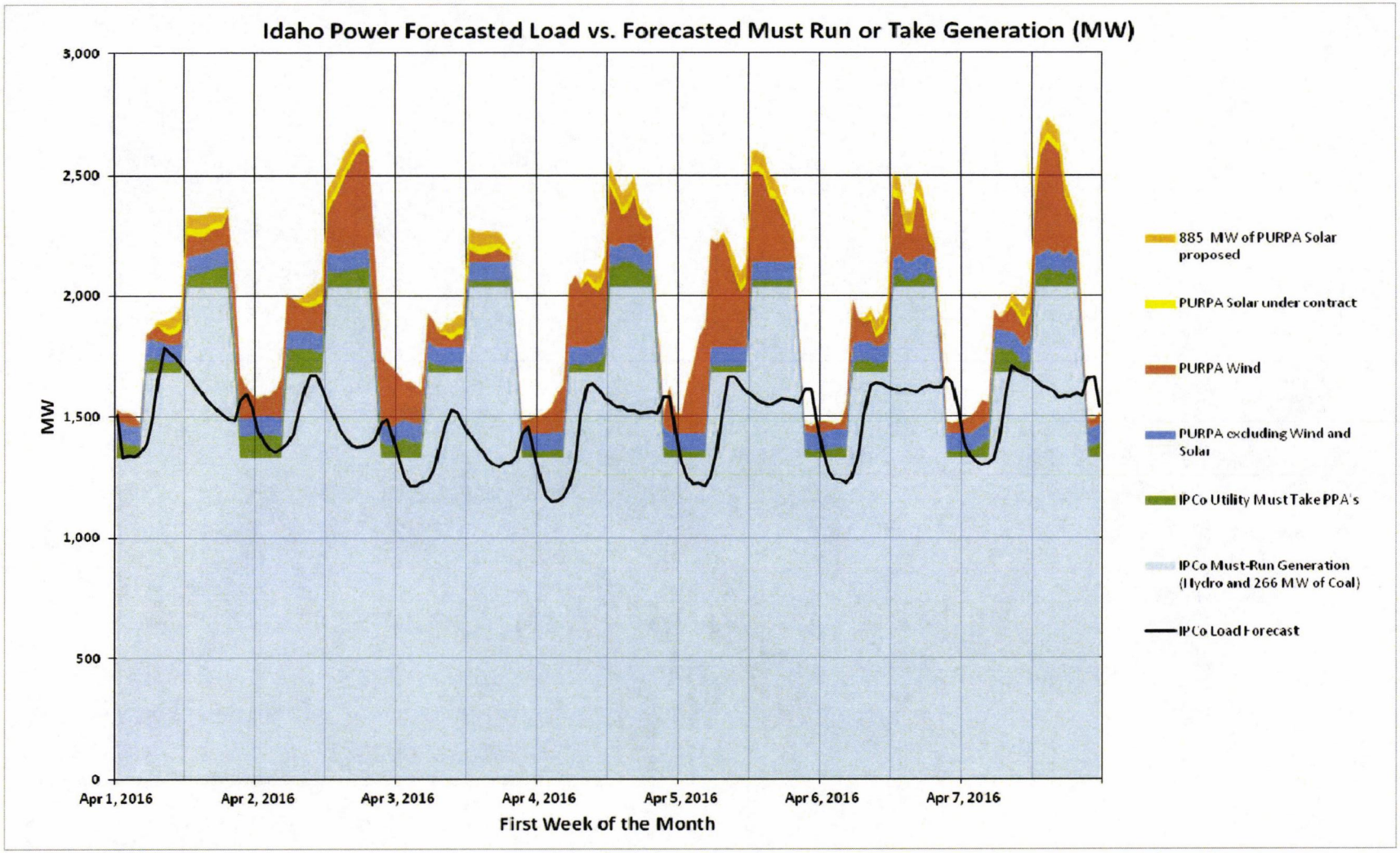

Idaho Power Forecasted Load vs. Forecasted Must Run or Take Generation (MW)
3,000
2,500
2,000
1,500
1,000
500
0
MW
Mar 1, 2016
Mar 2, 2016
Mar 3, 2016
Mar 4, 2016
Mar 5, 2016
Mar 6, 2016
Mar 7, 2016
First Week of the Month
885 MW of PURPA Solar proposed
PURPA Solar under contract
PURPA Wind
PURPA excluding Wind and Solar
IPCo Utility Must Take PPA's
IPCo Must-Run Generation (Hydro and 266 MW of Coal)
IPCo Load Forecast



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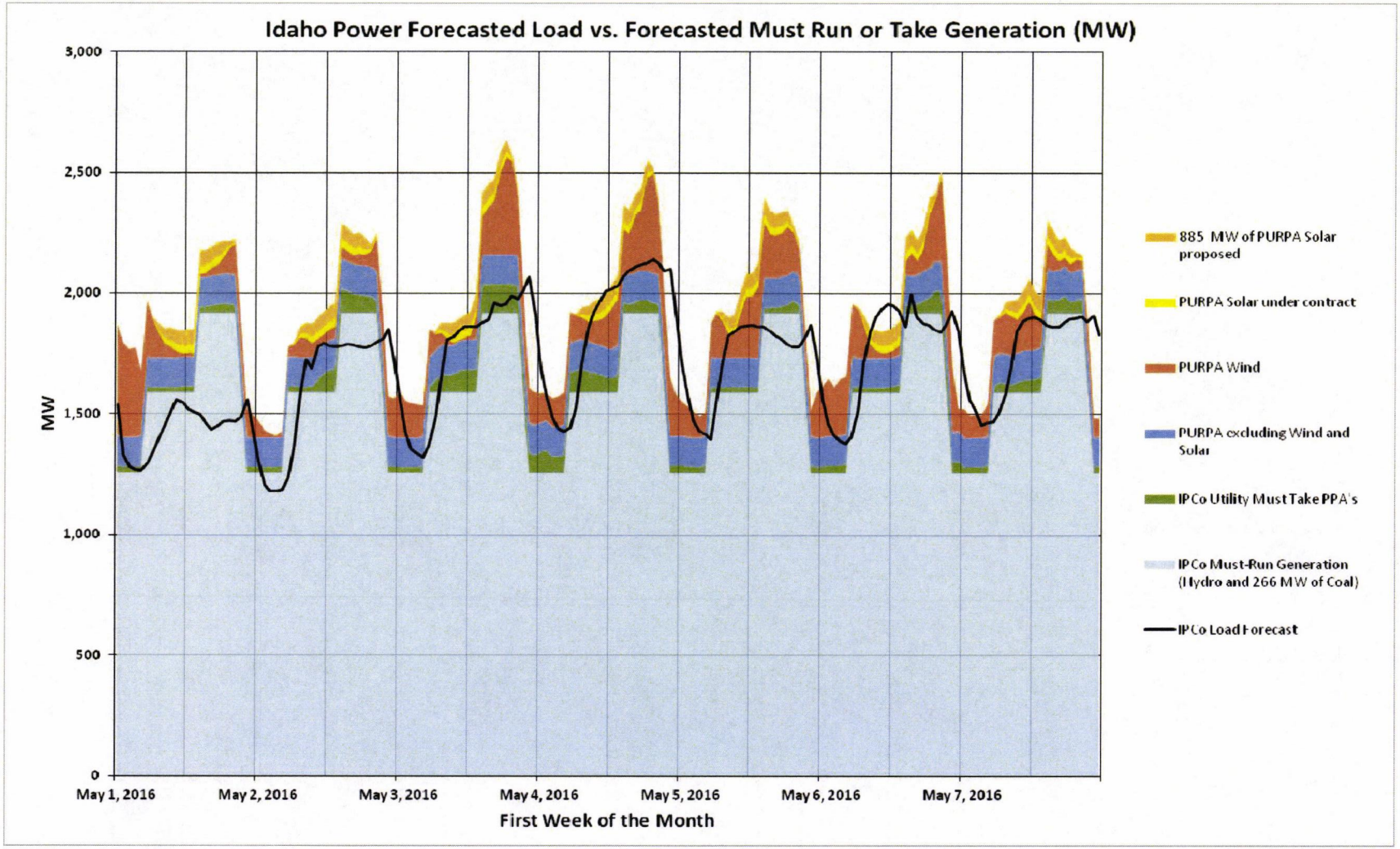
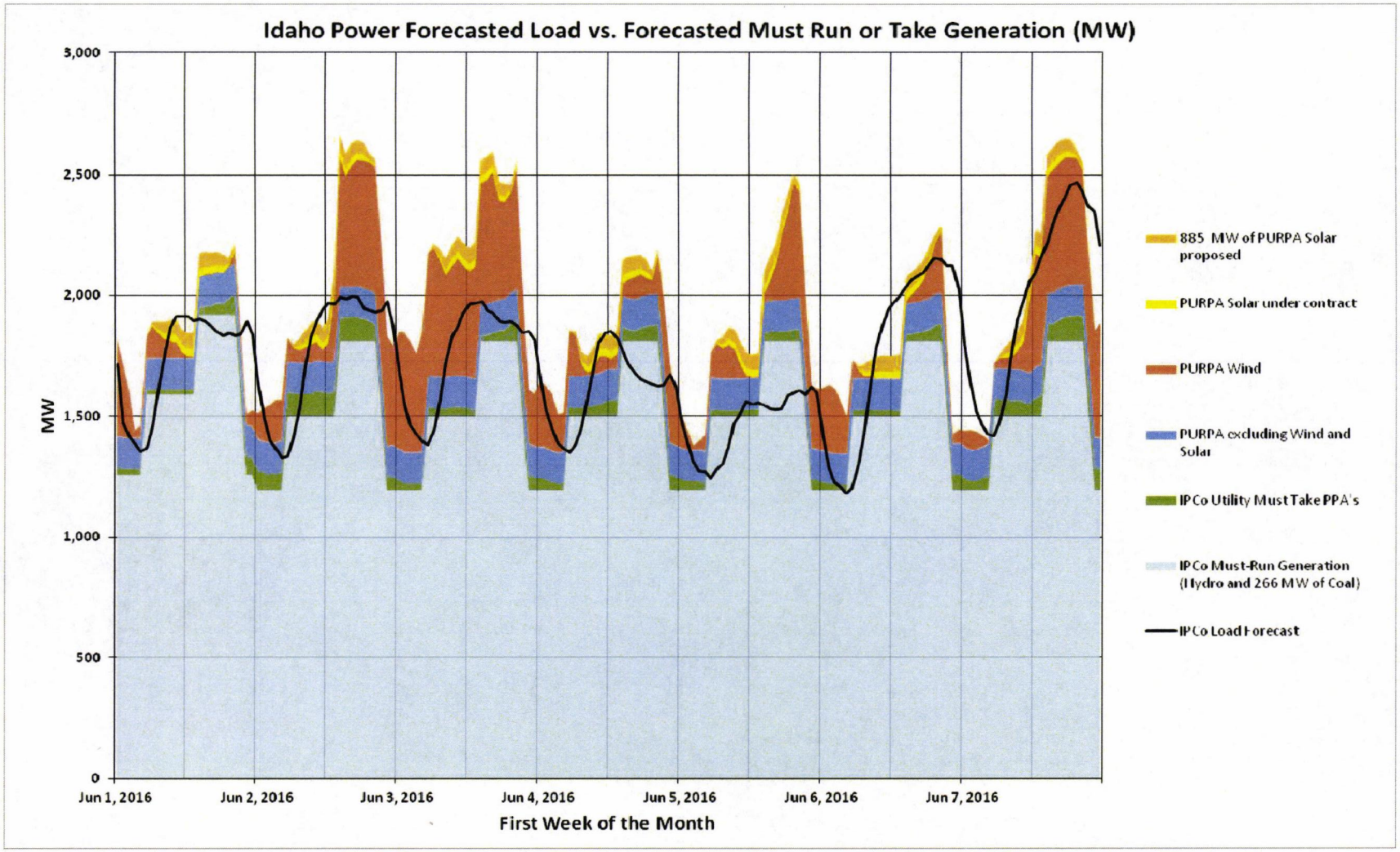

Idaho Power Forecasted Load vs. Forecasted Must Run or Take Generation (MW)
3,000
2,500
2,000
1,500
1,000
500
0
MW
May 1, 2016
May 2, 2016
May 3, 2016
May 4, 2016
May 5, 2016
May 6, 2016
May 7, 2016
First Week of the Month
885 MW of PURPA Solar proposed
PURPA Solar under contract
PURPA Wind
PURPA excluding Wind and Solar
IPCo Utility Must Take PPA's
IPCo Must-Run Generation (Hydro and 266 MW of Coal)
IPCo Load Forecast



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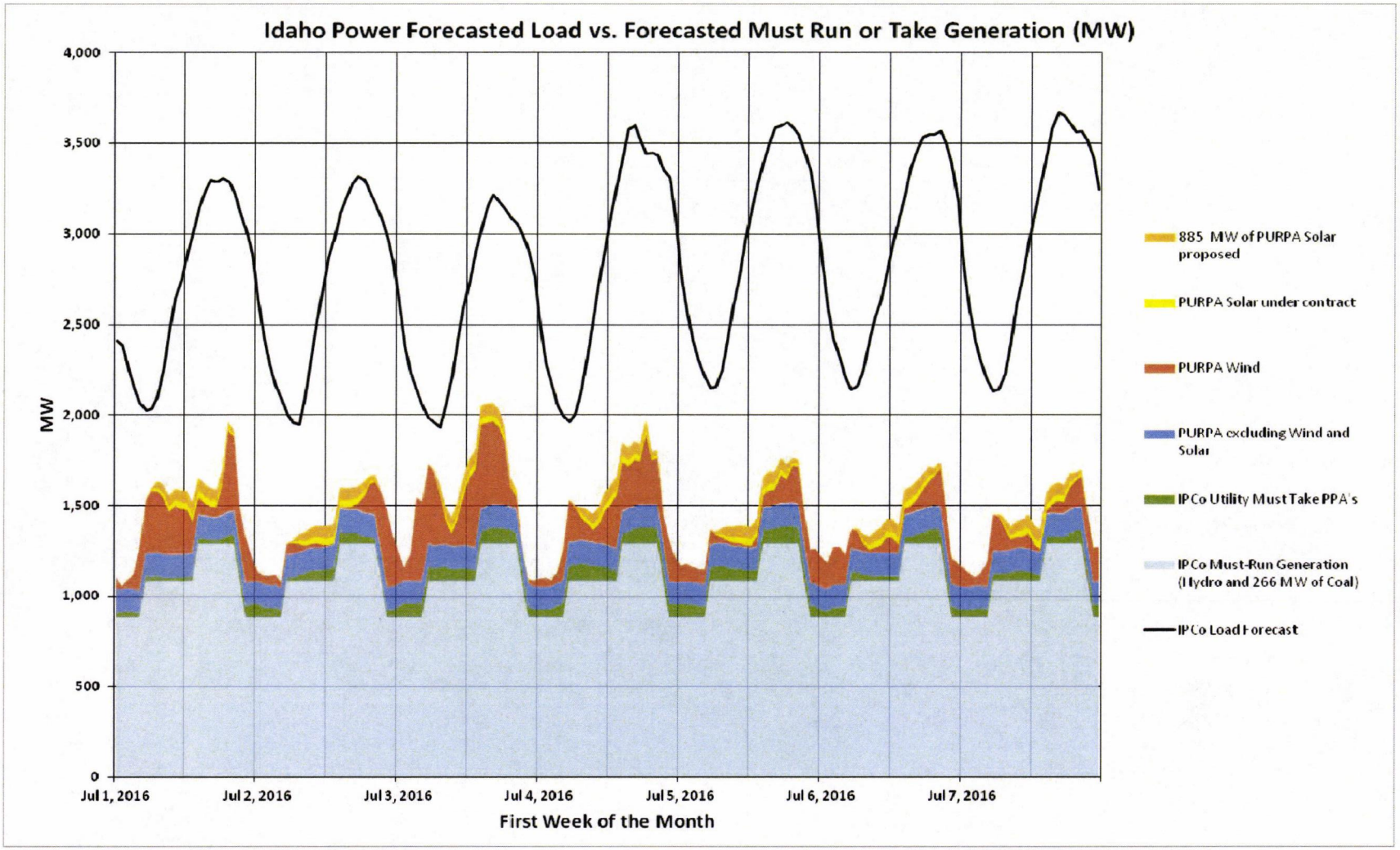
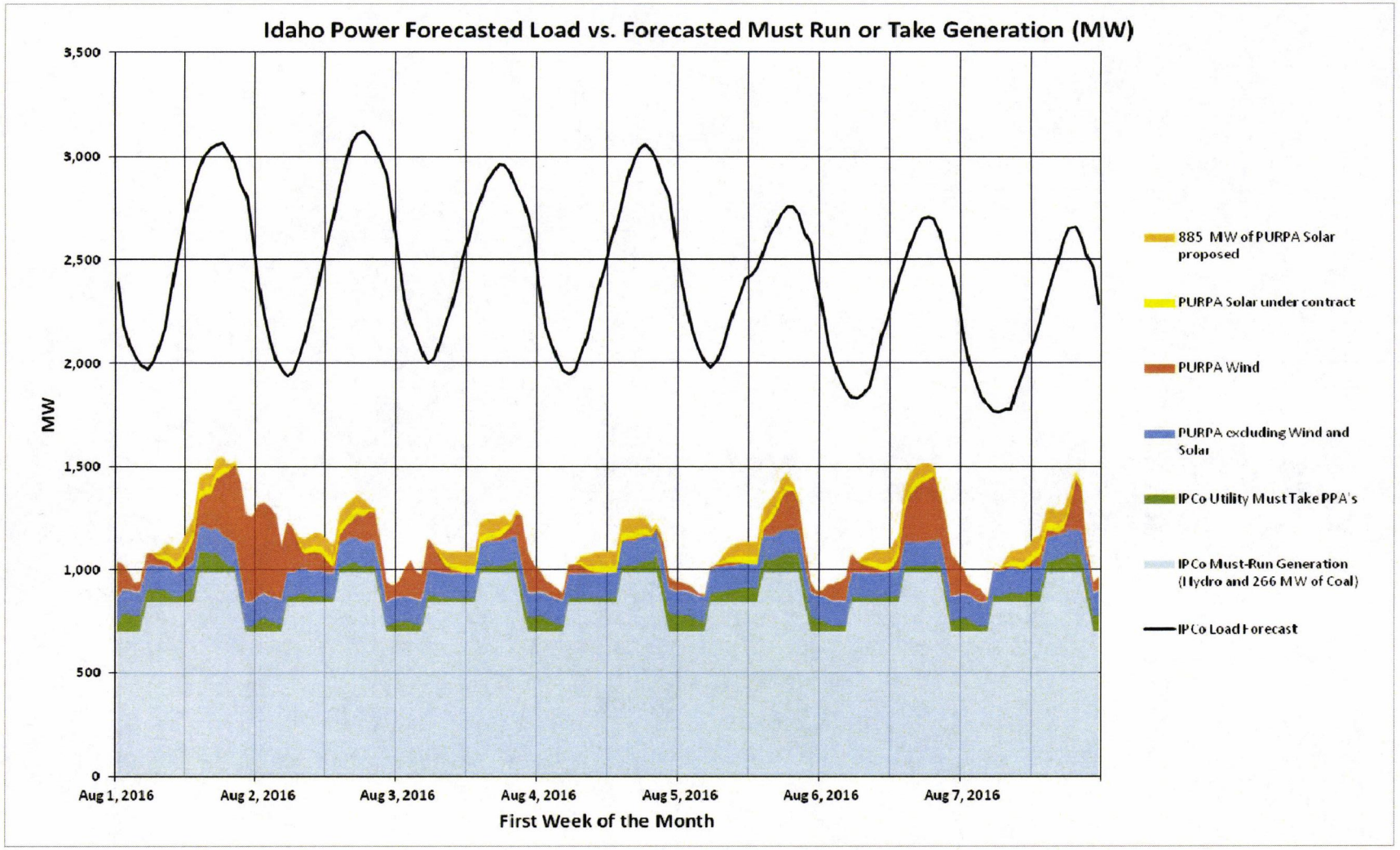
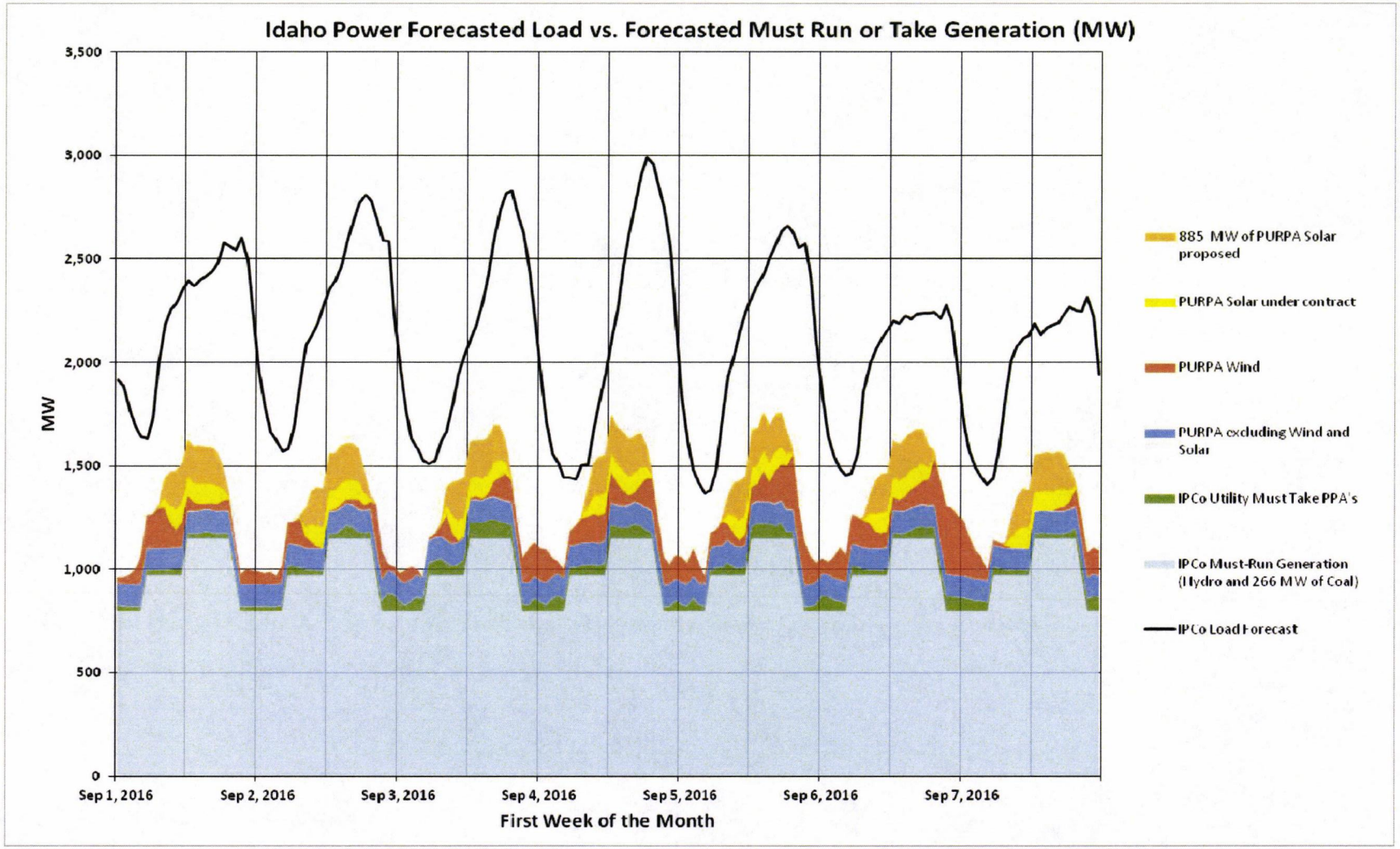

Idaho Power Forecasted Load vs. Forecasted Must Run or Take Generation (MW)
MW
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jul 1, 2016
Jul 2, 2016
Jul 3, 2016
Jul 4, 2016
Jul 5, 2016
Jul 6, 2016
Jul 7, 2016
First Week of the Month
885 MW of PURPA Solar proposed
PURPA Solar under contract
PURPA Wind
PURPA excluding Wind and Solar
IPCo Utility Must Take PPA's
IPCo Must-Run Generation (Hydro and 266 MW of Coal)
IPCo Load Forecast


Idaho Power Forecasted Load vs. Forecasted Must Run or Take Generation (MW)
3,500
3,000
2,500
2,000
1,500
1,000
500
0
MW
Aug 1, 2016
Aug 2, 2016
Aug 3, 2016
Aug 4, 2016
Aug 5, 2016
Aug 6, 2016
Aug 7, 2016
First Week of the Month
885 MW of PURPA Solar proposed
PURPA Solar under contract
PURPA Wind
PURPA excluding Wind and Solar
IPCo Utility Must Take PPA's
IPCo Must-Run Generation (Hydro and 266 MW of Coal)
IPCo Load Forecast



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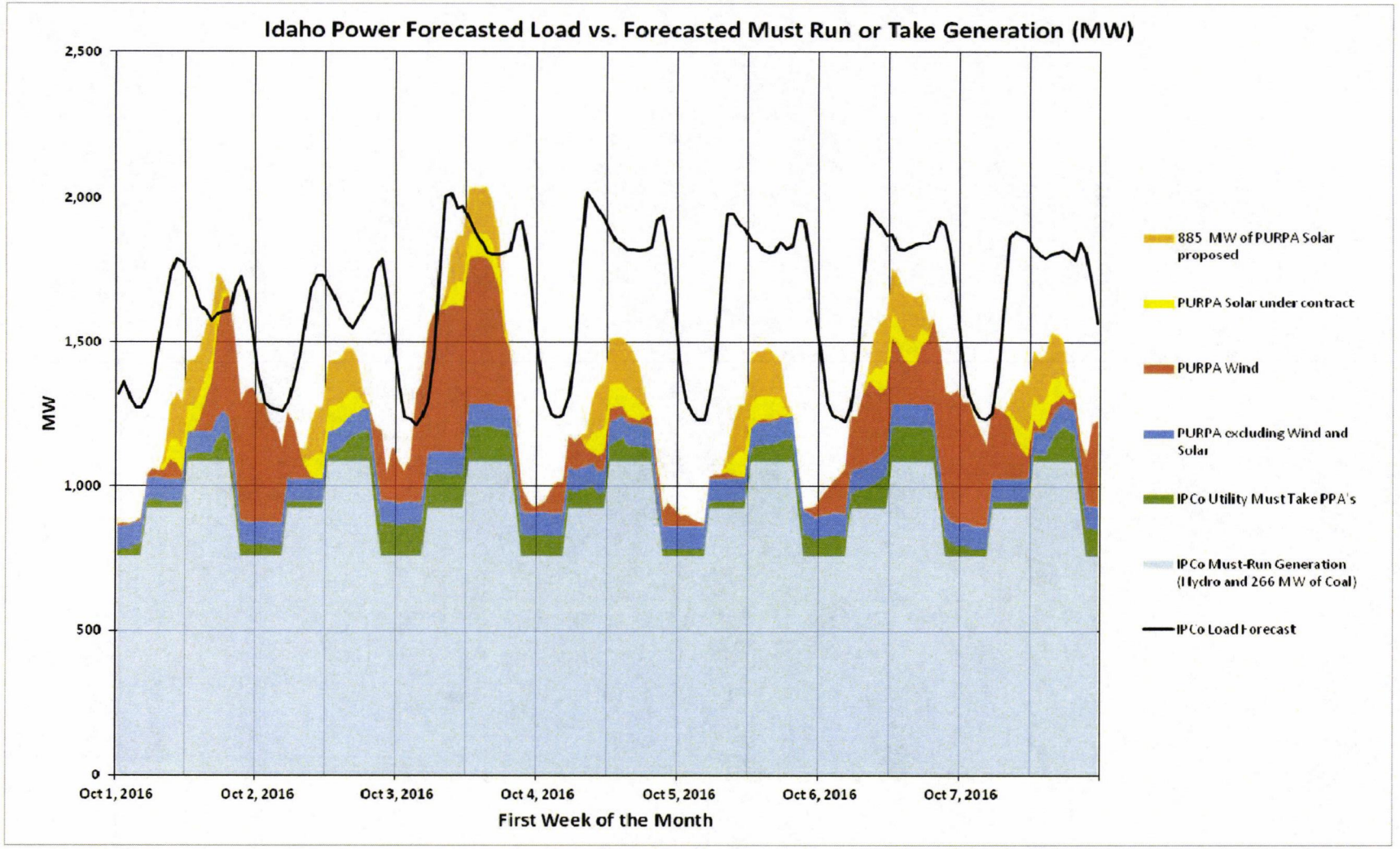

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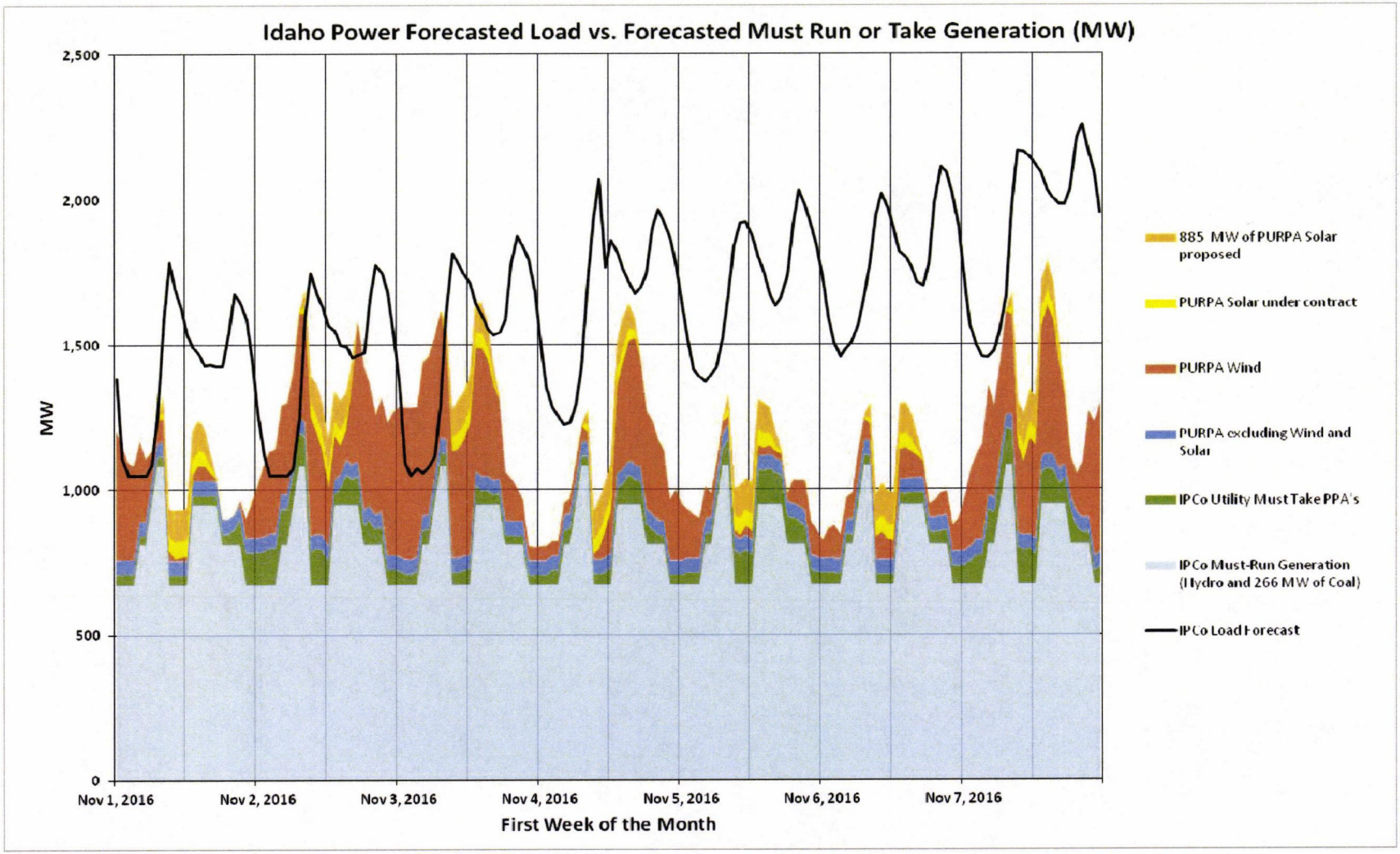
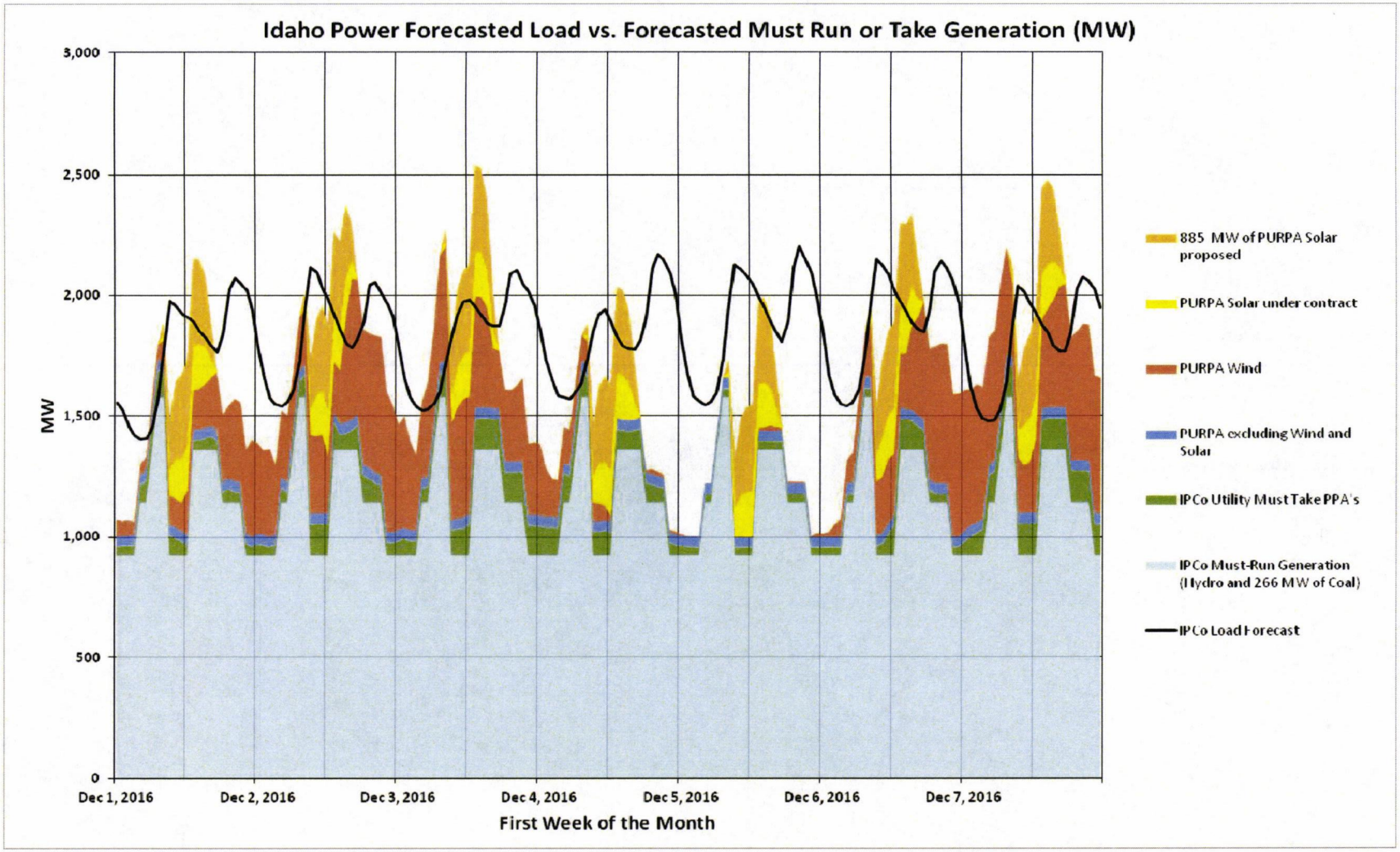

Idaho Power Forecasted Load vs. Forecasted Must Run or Take Generation (MW)
2,500
2,000
1,500
1,000
500
0
MW
Nov 1, 2016
Nov 2, 2016
Nov 3, 2016
Nov 4, 2016
Nov 5, 2016
Nov 6, 2016
Nov 7, 2016
First Week of the Month
885 MW of PURPA Solar proposed
PURPA Solar under contract
PURPA Wind
PURPA excluding Wind and Solar
IPCo Utility Must Take PPA's
IPCo Must-Run Generation (Hydro and 266 MW of Coal)
IPCo Load Forecast



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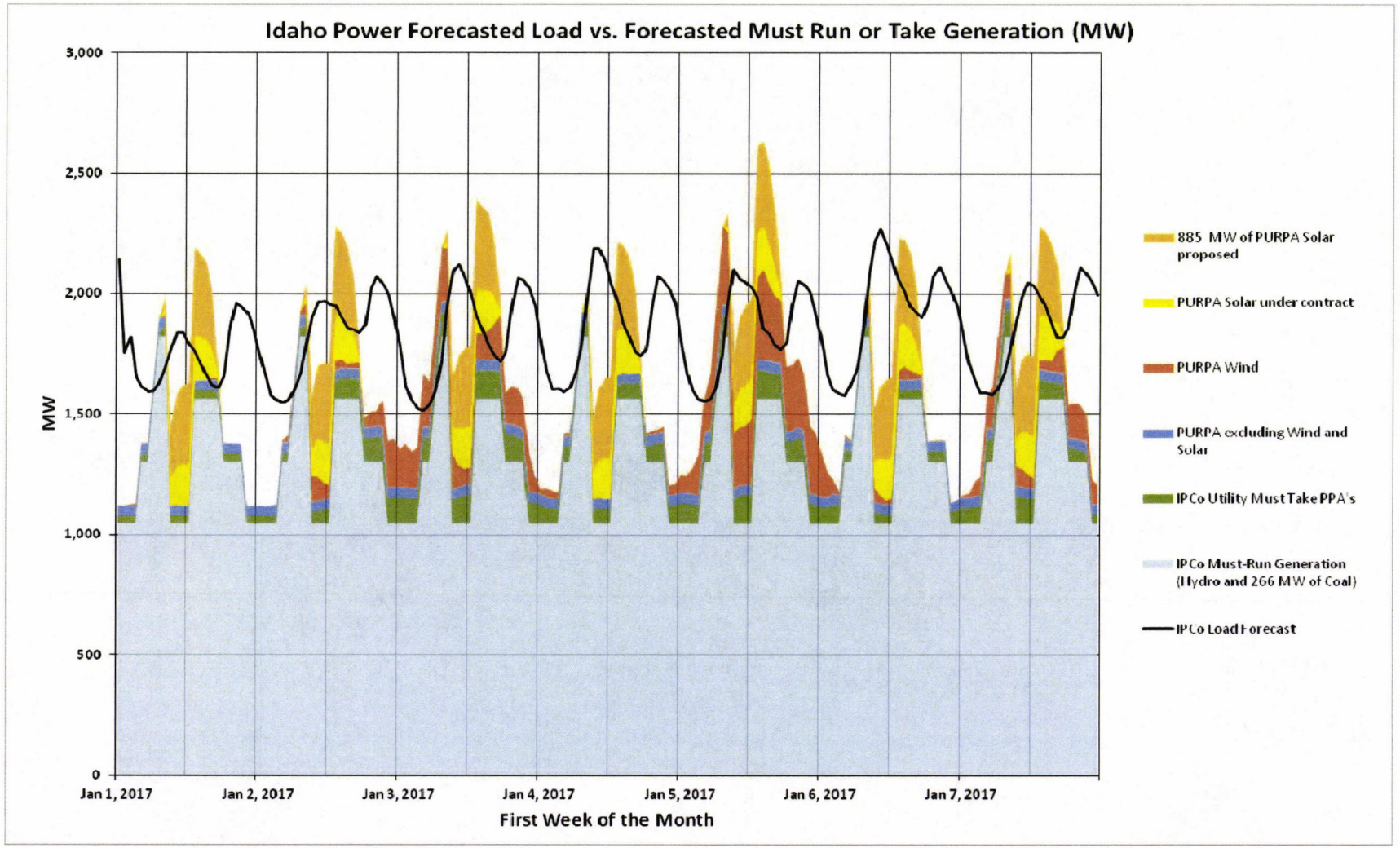

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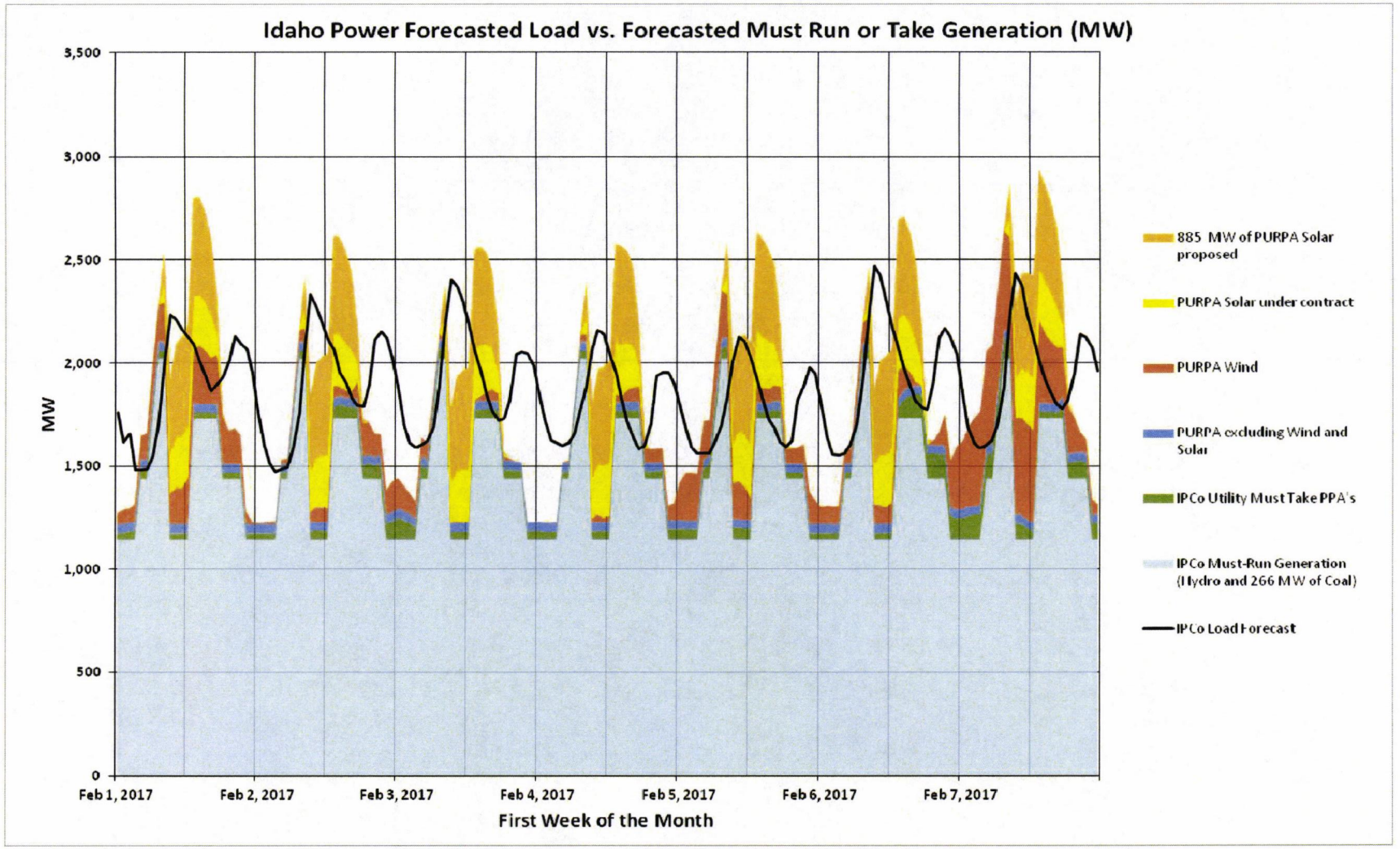

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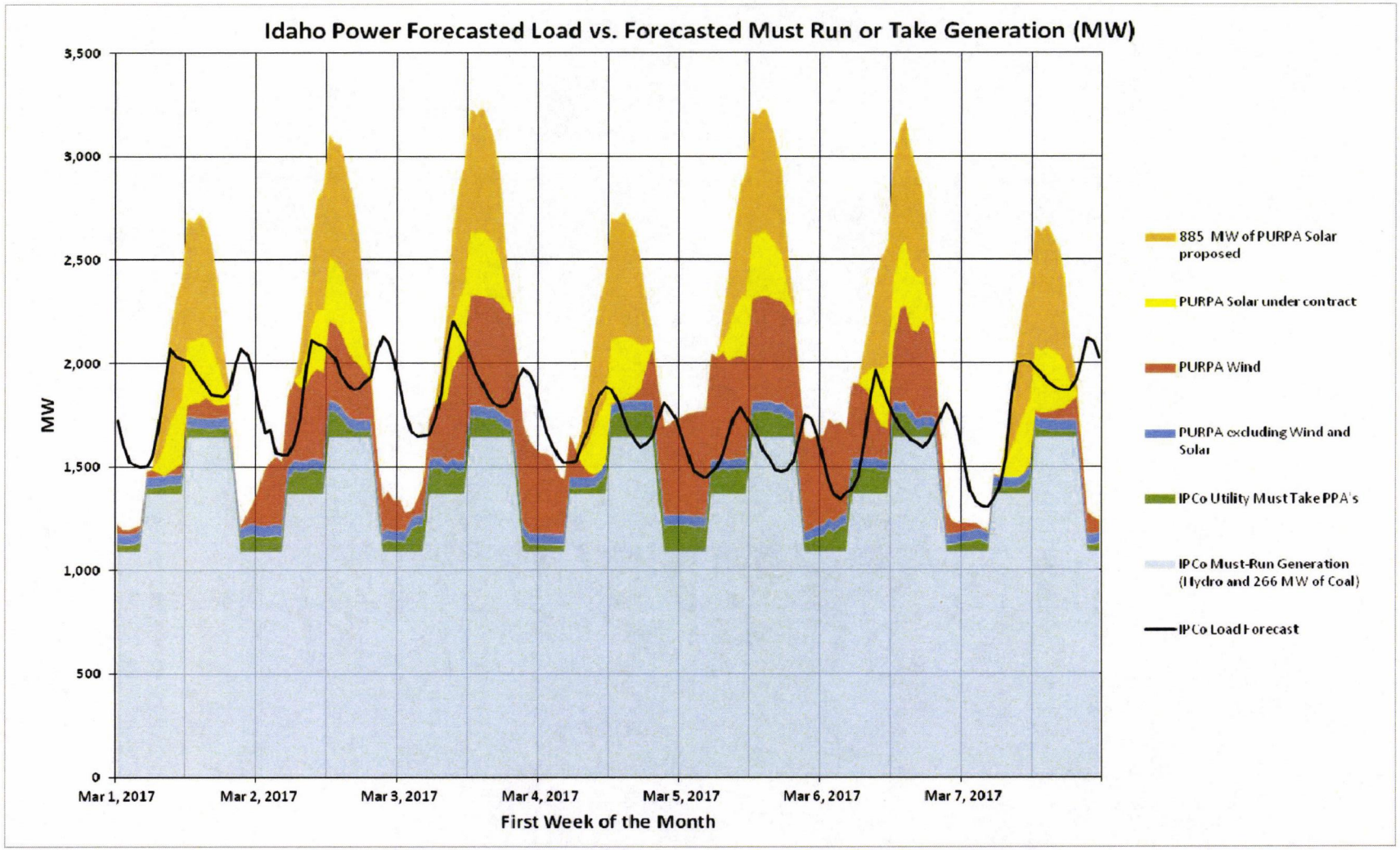

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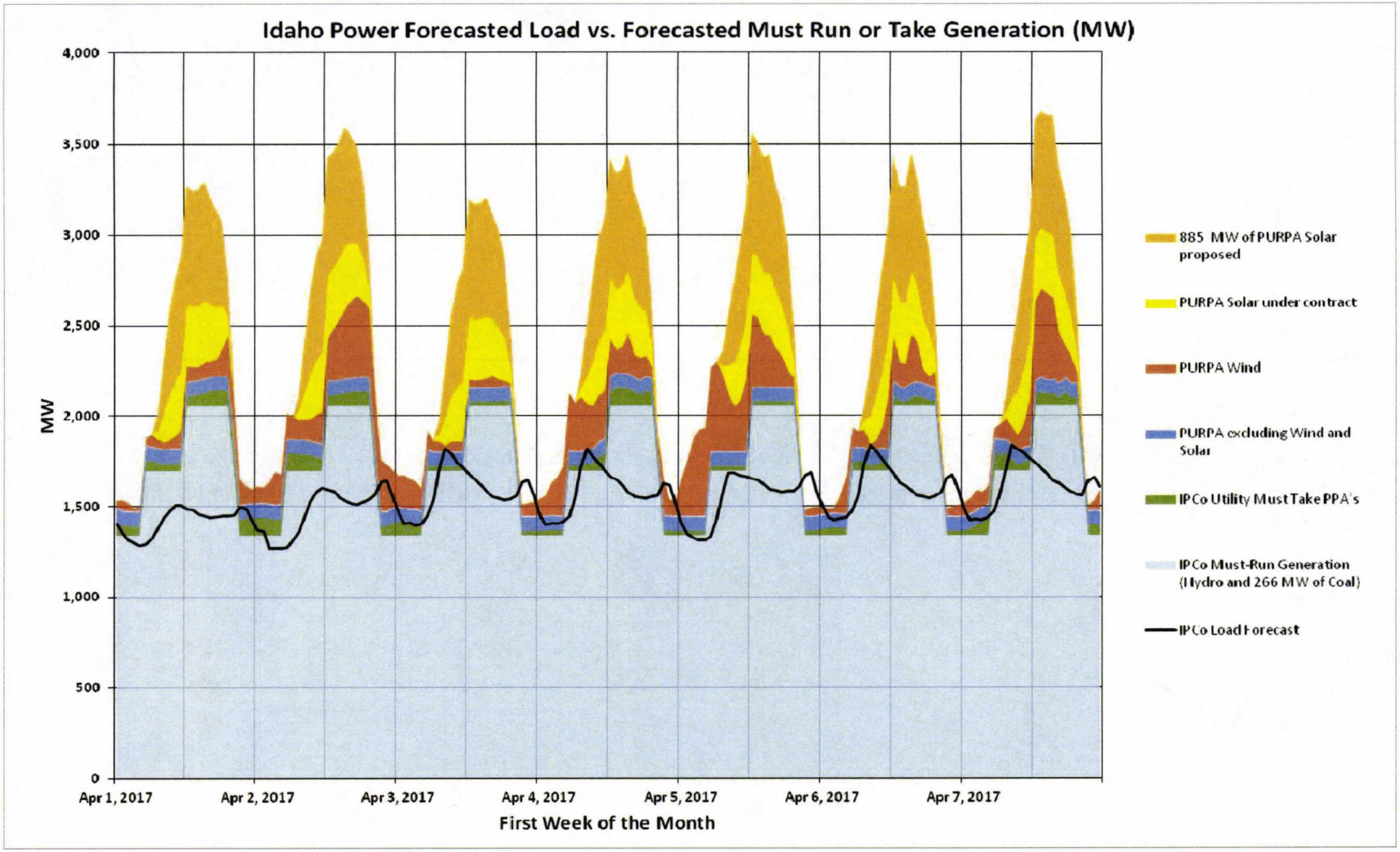

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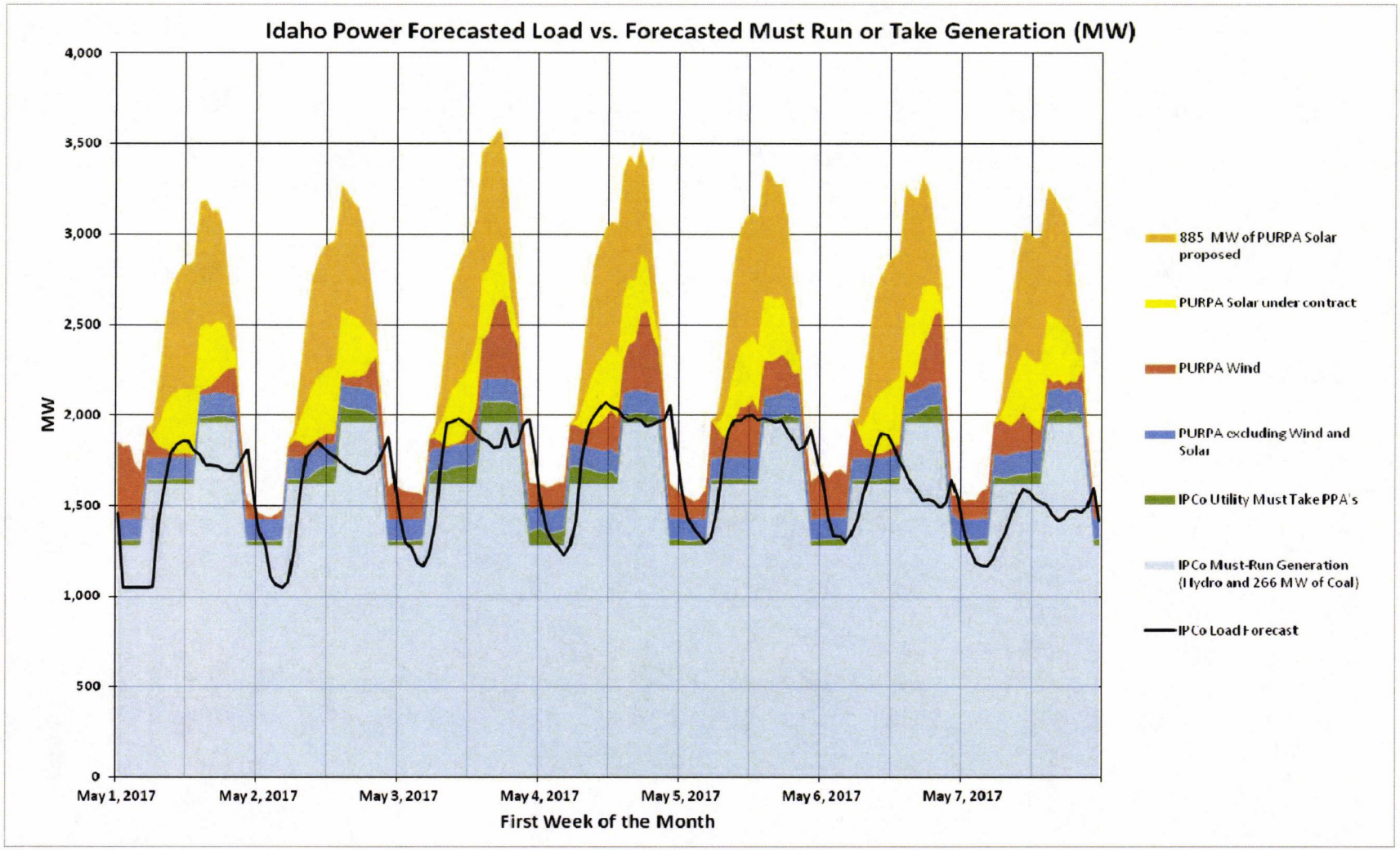

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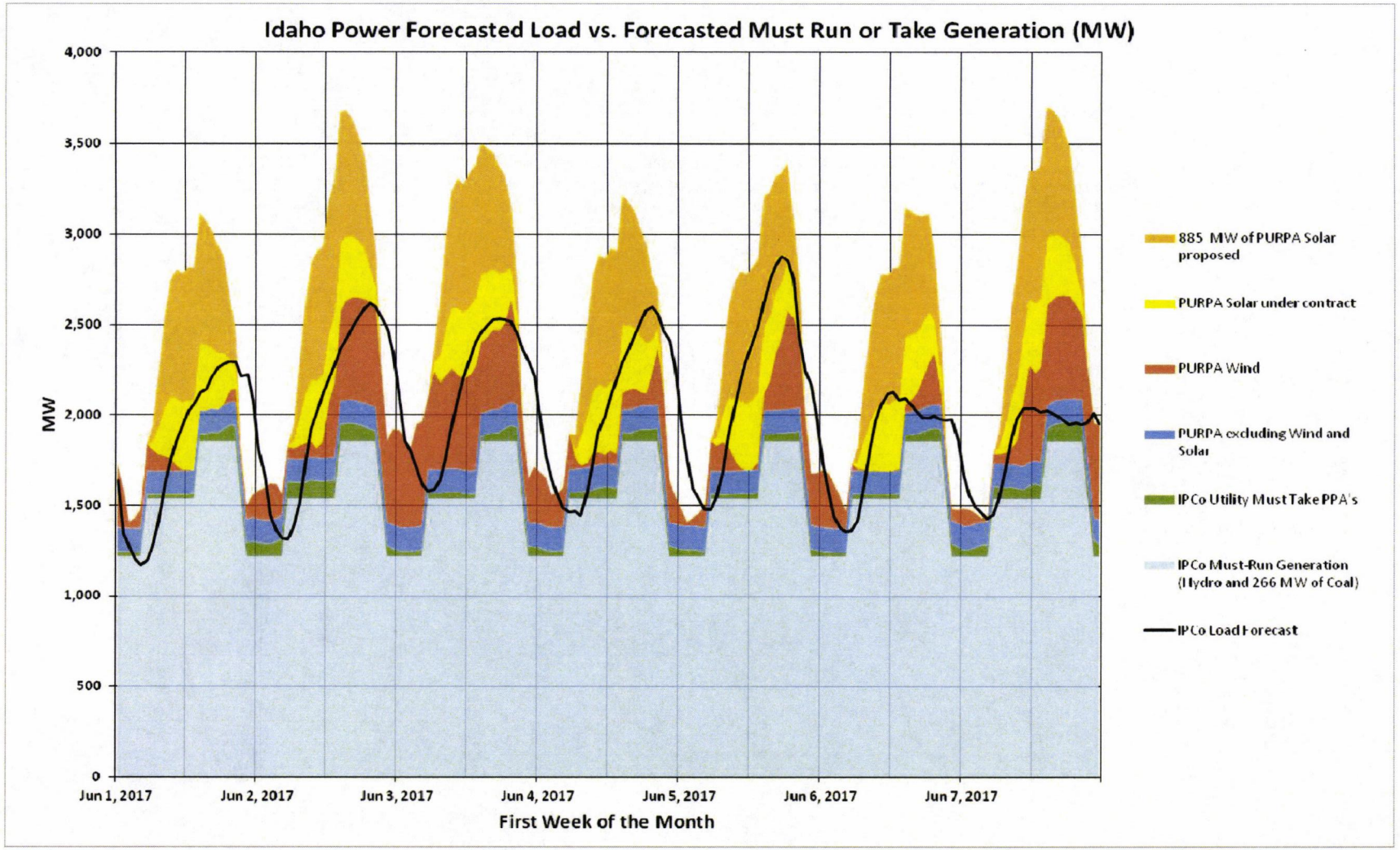
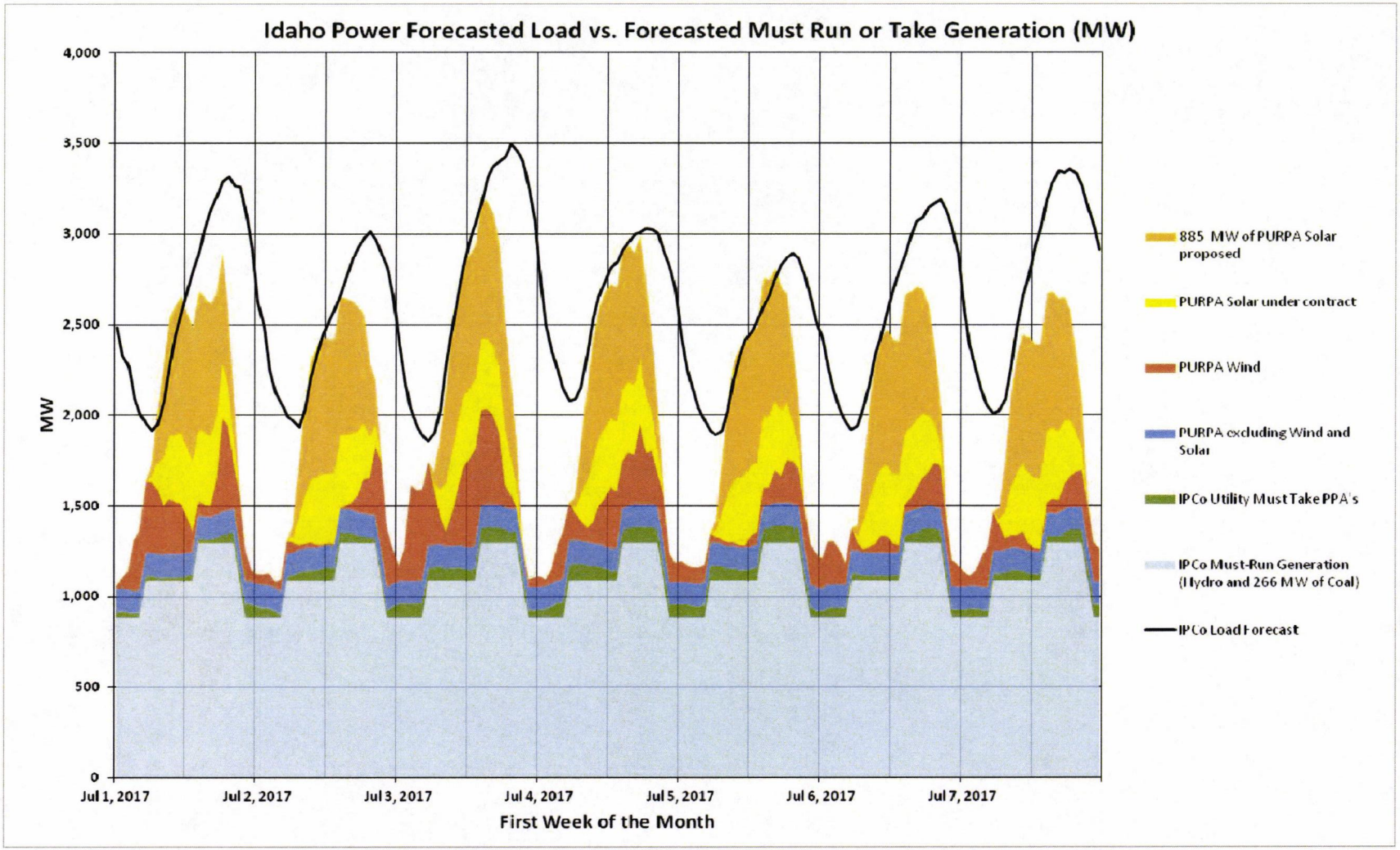

Idaho Power Forecasted Load vs. Forecasted Must Run or Take Generation (MW)
MW
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jun 1, 2017
Jun 2, 2017
Jun 3, 2017
Jun 4, 2017
Jun 5, 2017
Jun 6, 2017
Jun 7, 2017
First Week of the Month
885 MW of PURPA Solar proposed
PURPA Solar under contract
PURPA Wind
PURPA excluding Wind and Solar
IPCo Utility Must Take PPA's
IPCo Must-Run Generation (Hydro and 266 MW of Coal)
IPCo Load Forecast



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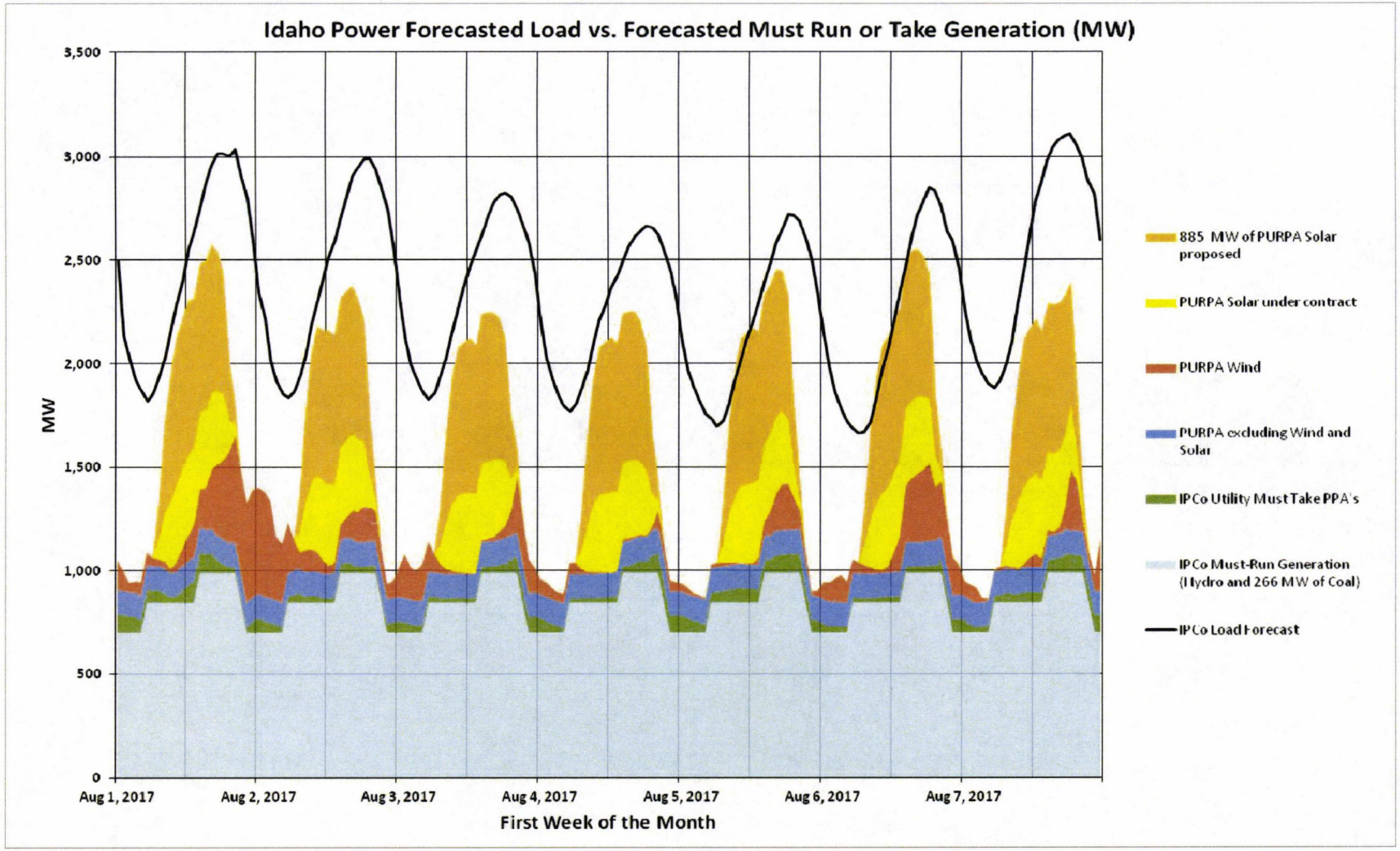

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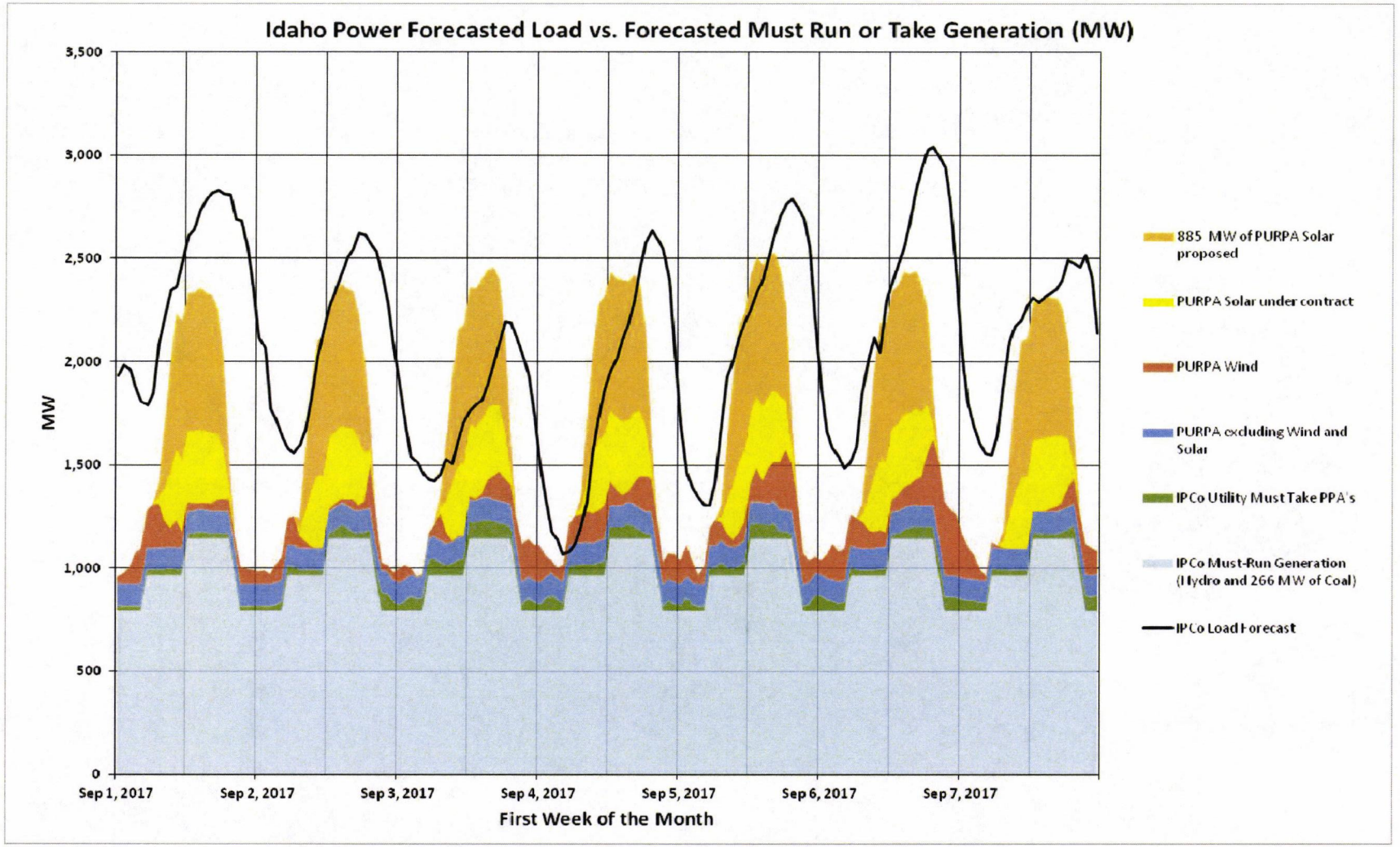

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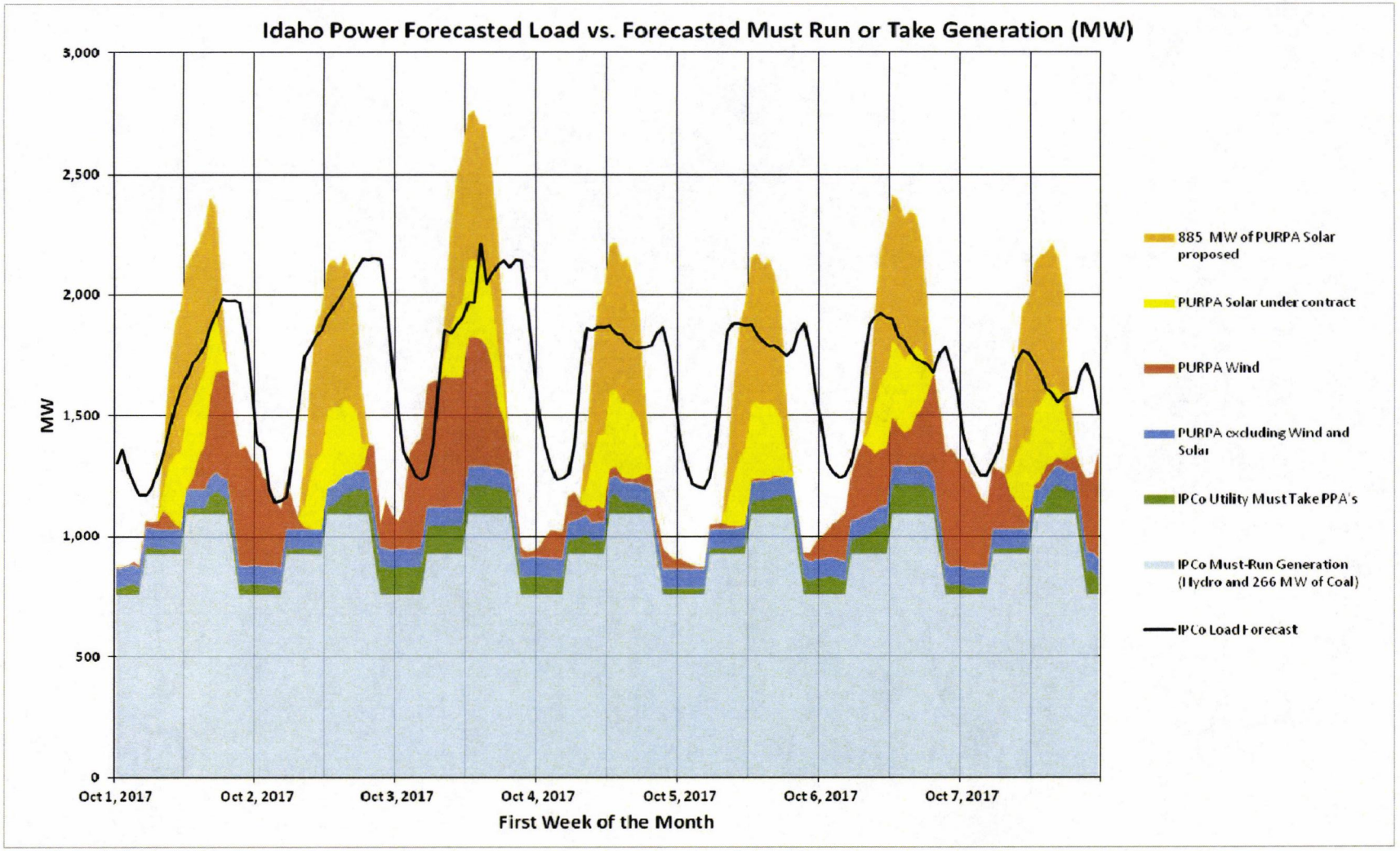

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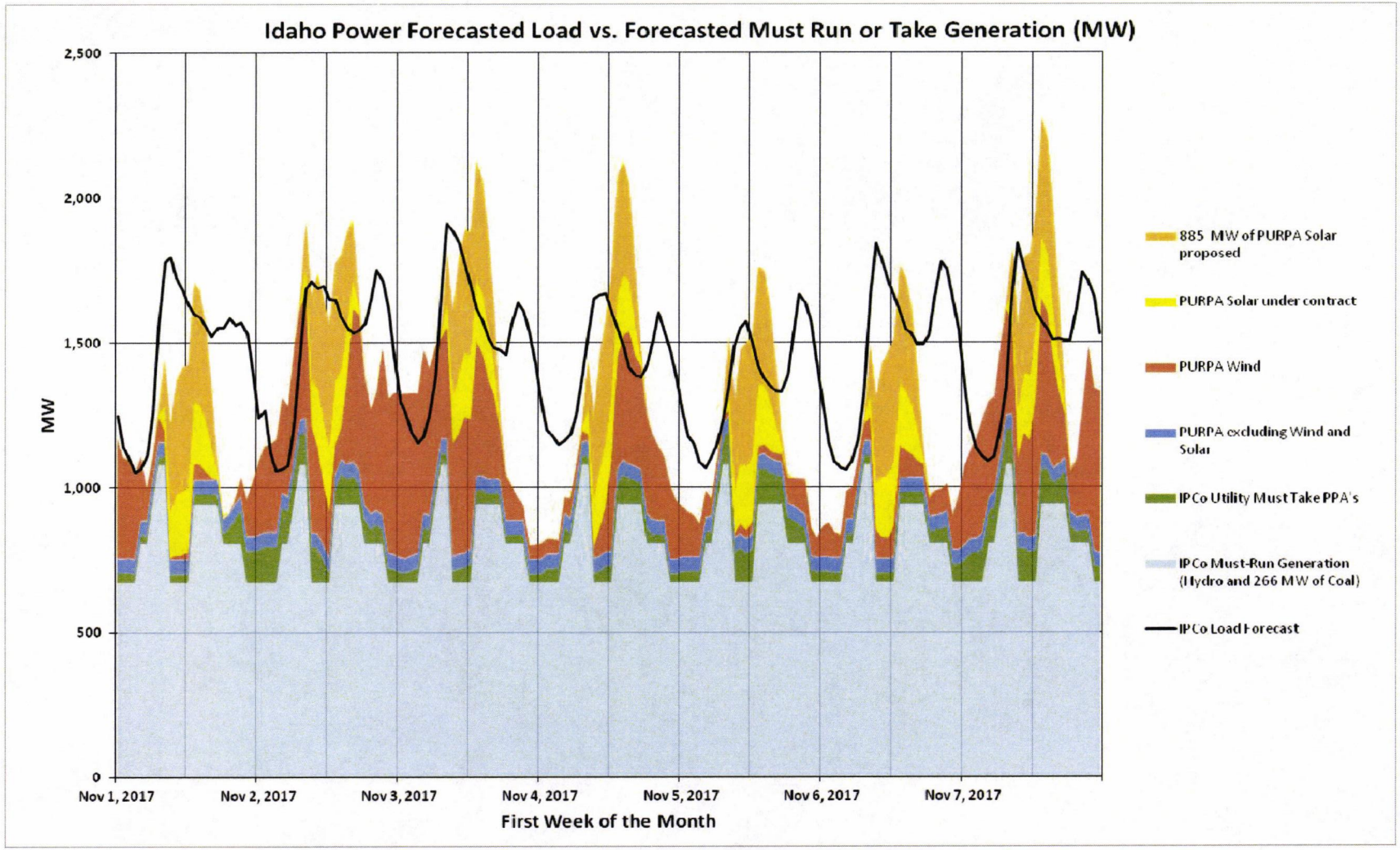

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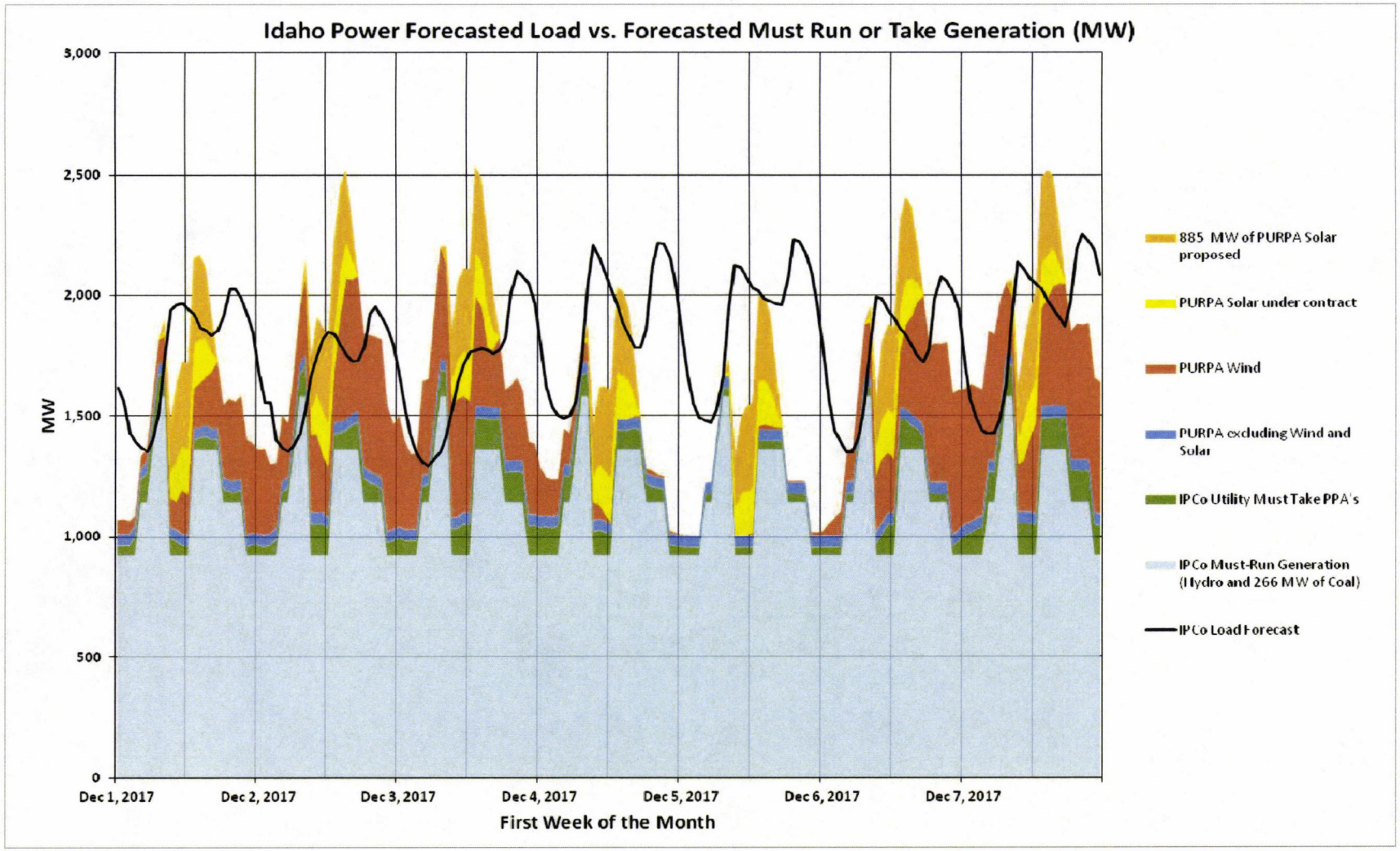

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BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-15-01

IDAHO POWER COMPANY

ALLPHIN, DI
TESTIMONY

EXHIBIT NO. 7

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BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-15-01

IDAHO POWER COMPANY

ALLPHIN, DI
TESTIMONY

EXHIBIT NO. 8

Approved Net Power Supply Expense in Base Rates (Normalized)

2010

FERC Account	Expense	Energy	$/MWh
Account 501, Coal	$ 167,718,084	7,169,601.0	$ 23.39
Account 547, Gas	$ 6,062,472	42,552.4	$ 142.47
Account 555, Purchases (Non-PURPA)	$ 66,689,601	1,110,756.0	$ 60.04
Account 555, Purchases (PURPA)	$ 62,851,454	1,043,642.0	$ 60.22
Account 447, Surplus Sales	$ (92,642,114)	(2,755,646.4)	$ 33.62

2012

FERC Account	Expense	Energy	$/MWh
Account 501, Coal	$ 167,192,744	7,145,609.2	$ 23.40
Account 547, Gas	$ 51,934,201	1,176,351.8	$ 44.15
Account 555, Purchases (Non-PURPA)	$ 45,510,093	763,793.1	$ 59.58
Account 555, Purchases (PURPA)	$ 62,851,454	1,043,642.0	$ 60.22
Account 447, Surplus Sales	$ (124,916,153)	(3,518,491.2)	$ 35.50

2013

FERC Account	Expense	Energy	$/MWh
Account 501, Coal	$ 108,503,180	4,759,957.7	$ 22.79
Account 547, Gas	$ 33,367,563	993,970.8	$ 33.57
Account 555, Purchases (Non-PURPA)	$ 62,606,593	1,236,373.4	$ 50.64
Account 555, Purchases (PURPA)	$ 133,853,869	2,141,849.4	$ 62.49
Account 447, Surplus Sales	$ (51,735,153)	(2,309,046.6)	$ 22.41

Note: Account 547, Gas $/MWH include total variable expense plus all fixed expenses

BEFORE THE

IDAHO PUBLIC UTILITIES COMMISSION

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IDAHO POWER COMPANY

ALLPHIN, DI TESTIMONY

EXHIBIT NO. 9

Idaho Power Company
PURPA Solar projects under contract - As of January 20, 2015
Idaho

Project Name	MWac	Term (Years)	State	Scheduled Operation Date	Estimated Obligation (includes integration)	Estimated 2 year Obligation (includes integration)
Grandview PV Solar Two, LLC	80	20	Idaho	09/01/16	$312,729,719	$21,365,030
Boise City Solar, LLC	40	20	Idaho	01/01/16	$156,299,294	$10,345,907
Mountain Home Solar, LLC	20	20	Idaho	12/31/16	$79,877,543	$4,310,801
Pocatello Solar 1, LLC	20	20	Idaho	12/31/16	$74,712,956	$4,055,563
Clark Solar 1, LLC	71	20	Idaho	12/31/16	$243,227,312	$12,752,964
Clark Solar 2, LLC	20	20	Idaho	12/31/16	$69,246,830	$3,705,030
Clark Solar 3, LLC	30	20	Idaho	12/31/16	$102,774,966	$5,464,983
Clark Solar 4, LLC	20	20	Idaho	12/31/16	$67,990,610	$3,633,830
Murphy Flat Power, LLC	20	20	Idaho	12/01/16	$69,184,146	$2,860,894
Simco Solar, LLC	20	20	Idaho	12/01/16	$69,951,245	$2,887,904
American Falls Solar, LLC	20	20	Idaho	12/01/16	$65,313,902	$2,621,813
American Falls Solar II, LLC	20	20	Idaho	12/01/16	$62,494,248	$2,378,384
Orchard Ranch Solar, LLC	20	20	Idaho	12/01/16	$65,605,413	$2,531,995
Subtotal	**401**				**$1,439,408,185**	**$78,915,098**

Oregon

Project Name	MWac	Term (Years)	State	Scheduled Operation Date	Estimated Obligation (includes integration)	Estimated 2 year Obligation (includes integration)
Grove Solar Center, LLC	10	20	Oregon	12/31/16	$37,638,450	$2,319,889
Hyline Solar Center, LLC	10	20	Oregon	12/31/16	$37,638,450	$2,319,889
Open Range Solar Center, LLC	10	20	Oregon	12/31/16	$37,638,450	$2,319,889
Railroad Solar Center, LLC	10	20	Oregon	12/31/16	$37,638,450	$2,319,889
Thunderegg Solar Center, LLC	10	20	Oregon	12/31/16	$37,638,450	$2,319,889
Vale Air Solar Center, LLC	10	20	Oregon	12/31/16	$37,638,450	$2,319,889
Subtotal	**60**				**$225,830,701**	**$13,919,334**
Total	**461**				**$1,665,238,886**	**$92,834,432**

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BEFORE THE

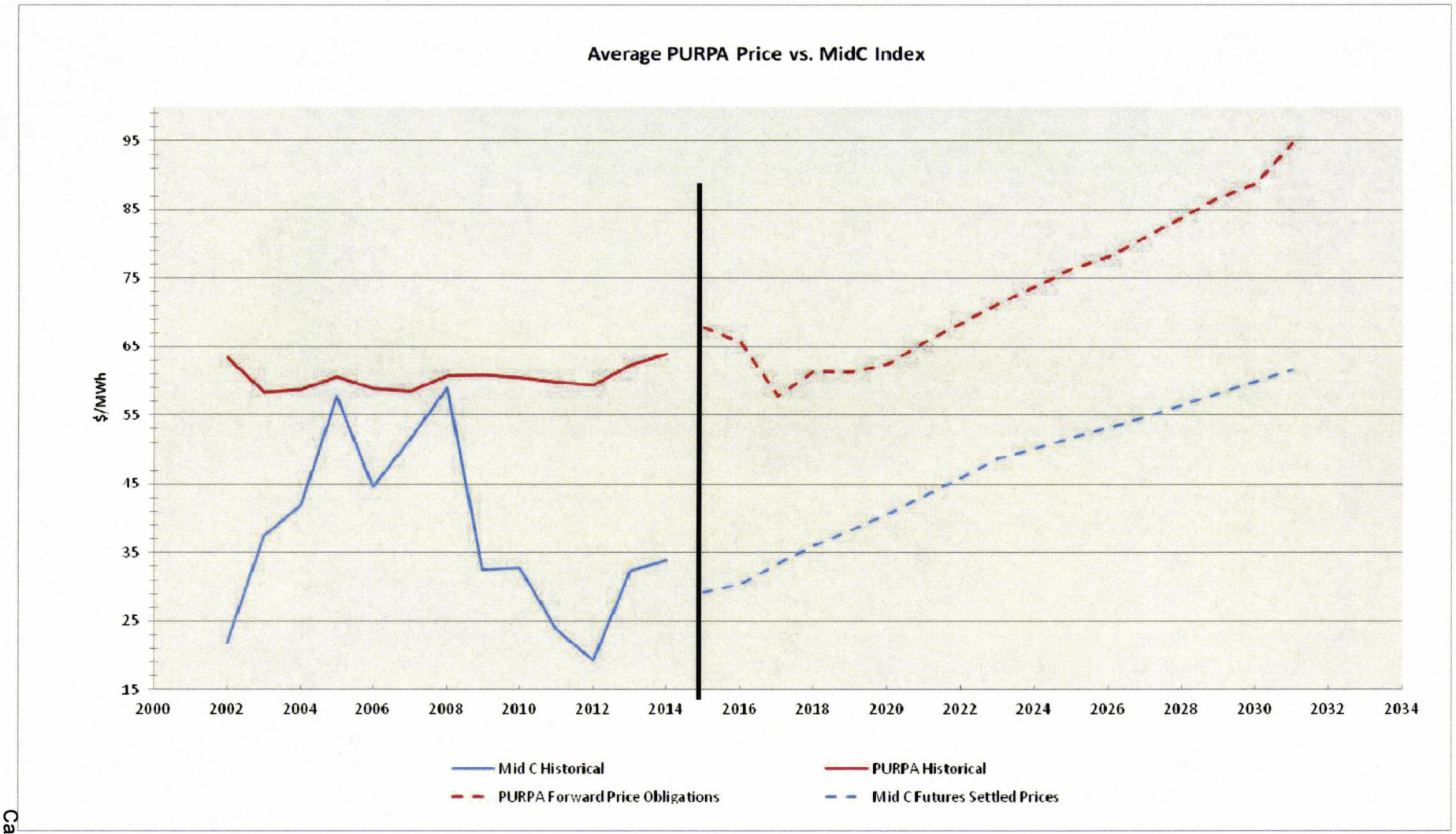
IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-15-01

IDAHO POWER COMPANY

ALLPHIN, DI TESTIMONY

EXHIBIT NO. 10



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