

I MINA'TRENTAI KUÂTTRO NA LIHESLATURAN GUÁHAN
RESOLUTION STATUS

Resolution No.	Sponsor	Title	Date Intro	Date of Presentation	Date Adopted	Date Referred	Referred to	PUBLIC HEARING DATE	DATE COMMITTEE REPORT FILED	NOTES
404-34 (COR)	Telena Cruz Nelson	Relative to commending and congratulate the Guam Power Authority on the occasion of its Fiftieth (50th) Year Anniversary of exemplary service in developing and providing reliable, safe, and affordable power to the people of Guam.	5/3/18 8:19 a.m.	5/8/18 10:00 a.m.	5/8/18 9:22 a.m.					

Resolution No. 404-34 (COR)

Introduced by:

<u>Yolanda Cruz Nelson</u>	Reggie Biscoe Lee
Thomas C. Ada	Faouze B. Muftic
CRANK B. MCGON, JR.	Thomas G. Rodriguez, Jr.
William M. C. 1990	Jose S. San Agustin
R. LF. Cruz	Michael F.Q. San Nicolas
James V. Espaldon	Theresa M. Terlaja
Fernando Baratas Estreles	Mary Camacho Torres
Tommy Morrison	



Relative to commending and congratulate the Guam Power Authority on the occasion of its Fiftieth (50th) Year Anniversary of exemplary service in developing and providing reliable, safe, and affordable power to the people of Guam.

BE IT RESOLVED BY THE COMMITTEE ON RULES OF I MANA'TRENTAI KUATTRO NA LIHESLATURAN GUAHAN:

WHEREAS, the Guam Power Authority (GPA) was established in 1968 through the enactment of "The Guam Power Authority Act of 1968"; and

WHEREAS, in March 1969, the Public Utilities Agency of Guam (PUAG) transferred to GPA all items of property, materials, and other assets and liabilities pertaining to the electric utility operations of the Agency; and

WHEREAS, in 1970, GPA sold One Million Four Hundred Twenty-five Thousand Dollars (\$1,425,000) in Guam Power Authority bonds at an interest rate of 6.5 percent to the Bank of America in San Francisco, California, marking the first time that any Guam bonds had ever been sold; and

WHEREAS, later that year, GPA installed four (4) high speed diesel generators capable of providing eleven thousand (11,000) kilowatts of electric power, and significantly reduced the number of village power outages; and

WHEREAS, in 1971, the GPA Board of Directors authorized the U.S. Navy OICG, Marianas to enter into a contract to build GPA's first baseload steam electric generating plant, a twenty-five (25) megawatt unit to be located adjacent to the U.S. Navy power plant at *Tanapanan Point*; and

WHEREAS, the U.S. Navy power barge *Inductance*, which was loaned to GPA, was towed from Okinawa to Guam, set in its mooring facilities, and became operational on March 15, 1972; and

WHEREAS, GPA then began construction on four (4) two thousand five hundred (2,500) kilowatt General Motors diesel units at GPA's *Dobob Diesel Plant*, which became operational on October 15, 1972; and

WHEREAS, an agreement was signed between the Government of Guam and the U.S. federal government establishing 1975 as the target date for the Guam Power Authority to assume full control of the island-wide power system, with the U.S. Navy becoming its largest single customer; and

WHEREAS, GPA's *Tanapanan #2* unit, a steam turbo electric generating plant, was completed and came on-line to augment the island-wide power system in 1973; and

WHEREAS, GPA's *Cabras #1* unit, a sixty-six (66) megawatt reheat-type steam turbo electric generator, was financed by a Twenty-five Million Dollar (\$25,000,000) bond sale, and came on-line in 1974; and

WHEREAS, GPA's *Cabras #2* unit, a sixty-six (66) megawatt reheat-type steam turbo electric generator came on-line in 1975; and GPA constructed two (2) two hundred sixty-eight thousand (268,000) barrel tanks in order to purchase fuel directly from suppliers and reduce costs; and

WHEREAS, in May 1976, Category 4 Typhoon Pamela struck Guam and caused 3.2 Million Dollars in damages to GPA's electrical power system; and, GPA was able to substantially restore normal operations within the span of six (6) months; and

WHEREAS, in 1978, GPA established a policy of replacing secondary distribution wooden power poles with concrete power poles. The long range objective was to strengthen the entire island-wide electrical distribution system with upgrades and to make it more typhoon-resistant; and

WHEREAS, a decade later, GPA and the U.S. Navy joint-manning of the island-wide power system was terminated, and dispatch operations became solely GPA's responsibility; and

WHEREAS, in January of 1989, GPA and the U.S. Navy finalized the Power Pool negotiations, establishing criteria for GPA to meet in order to take over the power system and make the U.S. Navy a customer; and

WHEREAS, in 1990, a boiler tube explosion at GPA's *Cabras #1* unit caused a thirty percent (30%) loss of generating capacity for eighty-one (81) days, and GPA restored the unit in record setting pace; and

WHEREAS, GPA recorded a 13.3 percent growth rate, the largest growth level recorded over the previous eight (8) years, and the Guam Public Utilities Commission (PUC) and the Guam Legislature approved the GPA-U.S. Navy Customer Supplier Agreement; and

WHEREAS, Category 5 Typhoon Yuri devastated Guam on November 27, 1991, and caused 1.6 Million Dollars in damages to the GPA system; and

WHEREAS, in 1992, the history of power delivery on Guam was forever changed when Governor Joseph Ada signed the GPA-U.S. Navy Customer Supplier Agreement into law, making the U.S. Navy a customer of GPA; and

WHEREAS, later that year, GPA's *Dobob Combustion Turbine Unit #1* came online and GPA also worked to complete the installation of emergency standby generators at one hundred thirty-nine (39) PUAG water well and booster pump sites, as well; and

WHEREAS, on August 28, 1992, Category 4 Typhoon Omar made landfall on Guam, causing approximately Twelve Million Dollars (\$12,000,000) in damages, including destroying more than four hundred (400) power poles and disrupting electrical power services island-wide; nevertheless, GPA was able to substantially restore Guam's power system to normal operations within one (1) month; and

WHEREAS, in 1993, the Guam PUC approved GPA's first baseload generator power plant addition in almost twenty (20) years, which was designated as *Cabras #3* and *#4*; and

WHEREAS, GPA provided storm restoration assistance to the U.S. Virgin Islands following the devastation caused by Hurricane Marilyn, just three (3) years after restoring service to its own power system; and

WHEREAS, in 1997, shortly after aiding the U.S. Virgin Islands in the aftermath of Hurricane Marilyn, Category 5 Typhoon Paka devastated Guam with one hundred eighty-five (185) mile-per-hour winds, causing Sixteen Million Dollars (\$16,000,000) in damages to GPA's transmission and distribution system, which GPA was able to restore; and

WHEREAS, as part of the *Tanapanan* Redevelopment Plan, the *Tanapanan* Underground Conversion was completed in 1999 to improve power quality and reliability of the island-wide power distribution system of Hotel Row and the Guam Memorial Hospital, which are vital to our tourism industry and hospital services; and

WHEREAS, in 2002, Category 4 Typhoons Chataan and Pongsona ravaged Guam, causing widespread damages to GPA assets; and, GPA restored electric power to ninety-nine percent (99%) of the island in just two (2) months following the devastation caused by those Category 4 Typhoons; and

WHEREAS, in 2004, GPA reinstated its GPA Apprenticeship Program, in collaboration with the Agency for Human Resources Development and Guam Community College, and admitted sixty-four (64) trainee applicants; and

WHEREAS, in 2005, GPA broke ground for the construction of the P-401 underground project at the Archbishop Flores Circle in *Tanapanan* towards the Guam Memorial Hospital, and the P-093 underground project at *Cabras Island* to the Guam Commercial Port; and

WHEREAS, in 2006, in order to help maintain normal operations in the event of another typhoon, GPA began two (2) 34.5 kV underground transmission line conversion projects for typhoon resiliency across central Guam to link *Hagatna* to *Tanapanan* to *Tanapanan*, a project that was paid for with FEMA hazard mitigation grants and GPA revenue funds; and

WHEREAS, in 2008, the Guam Power Authority Integrated Resource Plan (IRP) was approved by the PUC, granting GPA permission to pursue renewables to reduce fuel costs in an effort to become more environmentally friendly and sustainable. Public Law 29-62 required GPA to meet Renewable Portfolio Standards with five standard of twenty-five percent (25%) of GPA's net sales to be generated from renewable sources by December 2025; and

WHEREAS, Fitch Rating Service notified GPA in 2009 of its BBB+ rating with a positive outlook, bringing GPA a step closer to the goal of restoring its investment grade bond rating, which it had lost a few years earlier; and

WHEREAS, the first use of "net metering" was implemented later that year as a *Barrigada* customer generated solar power to offset the DWPS grid power consumption; and

Lawrence M. 5-8-18

WHEREAS, GPA was chosen as one (1) of one hundred (100) electric utilities nationwide to receive federal stimulus funds under the American Recovery and Reinvestment Act (ARRA) of 2009, and the 16.7 Million Dollar award was to pay for half of the total GPA SMART Grid project; and

WHEREAS, in 2010, the Consolidated Commission on Utilities resolved to construct a joint GPA/GWA facility in Mangilao at a projected cost of Thirty-five Million Dollars (\$35,000,000); and

WHEREAS, GPA received PUC approval in 2011 to contract for solar and wind energy technologies to improve service, efficiency, and reliability, which allowed GPA to initiate its Phase 1 Renewable Acquisition bid and selected two (2) proposals which included thirty-five (35) megawatts of wind and solar energy production; and

WHEREAS, GPA installed the first Smart Meters in the system to commence a 33.4 Million Dollar Smart Grid Initiative Grant (SGIG) Program in 2011, with fifty percent (50%) or 16.7 Million Dollars, funded through a federal grant. The SGIG program was designed to enhance the customer experience, improve power quality and reliability, and reduce costs; and

WHEREAS, GPA signed the first renewable energy contract in 2012 to reduce dependence on imported oil for power generation with Quantum Guam Power, to supply three percent (3%) of Guam's energy needs. The twenty-five (25) year contract would lessen Guam's dependence on imported fuel oil; and

WHEREAS, shortly after the signing of the renewable energy contract, GPA was able to fully launch its Smart Meter project with the installation of five thousand (5,000) digital meters, the first step toward a Smart Grid for Guam; and

WHEREAS, in 2012, the PUC approved the execution of a Utilities Services Contract that GPA negotiated with the U.S. Navy, its largest customer. The ten (10)-year contract, which replaced a twenty (20)-year contract that expired in July 2012, strengthened GPA's position as the sole provider of electrical power service for Guam; and

WHEREAS, GPA completed the installation of a ninety-six (96)-circuit strand of cable through an underground conduit system connecting its Harmon Main Office and various GPA substations including the Guam Airport Authority, Harmon, Madaya, Dededo, Andersen Air Force Base, and the Pagan substation in 2013, which would provide a communication link between the substations to boost system protection and reliability; and

WHEREAS, in 2013, GPA also broke ground to build the Gloria B. Nelson Public Service Facility, which would consolidate the offices of both GPA and the Guam Waterworks Authority; and

WHEREAS, under GPA's Smart Grid ARRA grant, GPA launched its web application program MyEnergyGuam in 2013 as one of GPA's Demand Side energy solutions available to residential customers with the ability to track their electrical consumption in real time. My Energy Guam encourages the consumers to control power consumption in their households; and

WHEREAS, GPA announced plans for a wind turbine project funded by a 1.5 Million Dollar U.S. Department of Interior Office of Insular Affairs grant in 2013. The project was to install a single two hundred seventy-five (275) kilowatt wind turbine along Cross Island Road in Yona by 2015. In subsequent years, GPA received additional funding, culminating in a total grant of 2.3 Million Dollars; and

WHEREAS, construction of the Dandan solar facility began in March 2014 by NRG Renew, GPA, Quantum Guam Power, Inc., and Guam Solar Properties, LLC, which created three hundred (300) jobs over a period of nineteen (19) months; and

WHEREAS, on January 28, 2015, the Gloria B. Nelson Public Service Building (GBNPSB) was completed and opened to the public; and

WHEREAS, in 2015, Typhoon Dolphin ravaged Guam with one hundred six (106) mile per hour winds; and GPA was able to complete restoration within one (1) week, despite forty percent (40%) of homes being without power; and

WHEREAS, in August 2015, Typhoon Soudelor devastated the neighboring island of Saipan, CNMI, and GPA joined "Operation Soudelor Recovery" by providing manpower support with forty-eight (48) employees, and materials and equipment to assist the island in its storm recovery; and

WHEREAS, in 2015, GPA commissioned Guam's first utility scale solar project, the NRG Renew LLC, 26.5 Dandan Solar Project; and

WHEREAS, in October of 2016, the PUC approved the construction of up to one hundred eighty (180) megawatts of new, flexible generation baseload capacity. The new baseload power plant will allow for more renewables to be added into the grid by 2022; and

WHEREAS, on May 15, 2017, GPA signed an agreement with LG CNS for an aggregate of a forty (40) megawatt, twenty-two (22) megawatt hour of Battery Energy Storage Systems (BESS) comprised of a twenty-four (24) megawatt/six (6) megawatt hour BESS at the Tapan Substation, and a sixteen (16) megawatt/sixteen (16) megawatt hour BESS at the Tapan Substation. LG CNS broke ground on the project in December 2017, and it is expected to be operational in August 2018; and

WHEREAS, on May 16, 2017, GPA and the U.S. Navy entered into a one hundred sixty-four (164) acre land lease agreement for the installation of forty (40) megawatts of utility scale renewable energy projects to lessen Guam's dependence on imported carbon fuel; and

WHEREAS, in December 2017, GPA took over the TIMES forty (40) megawatt power plant assets at no cost, and which results in an annual savings of Five Million Dollars (\$5,000,000) for ratepayers. The plant was previously owned by the Independent Power Producer TIMES under a private public partnership contract for twenty (20) years; and

WHEREAS, the PUC's approval of GPA's request to contract for one hundred twenty (120) megawatts of Solar Photo Voltaic (PV) renewables to come online in 2020 reduces fuel related costs and provides a hedge against erratic fuel prices. These projects will provide about eighteen percent (18%) of Guam's energy needs when commissioned, and in addition to earlier planned projects, it will allow GPA to achieve the mandated Legislative Renewable Portfolio Standards of twenty-five percent (25%) energy production from renewables as early as 2021; and

WHEREAS, GPA's DSM Energy Sense Rebate Program has met the milestone of \$1.3 million in rebates paid-out; and

WHEREAS, the 34th Guam Legislature approved GPA's land rezoning efforts in order to build Guam's newest power plant in Uroda, Dededo. The building of the one hundred eighty (180) megawatt power plant will allow GPA to substantially improve reliability; and in addition, provides the opportunity to gain control of Guam's energy costs; and

WHEREAS, GPA continues the process of finalizing a Renewable Integration Study and Long Range Transmission Planning Study to improve the penetration of renewable energy onto GPA's grid and improve GPA's grid stability and reliability; and

WHEREAS, the dedicated efforts of past and present employees of the Authority have allowed the development of reliable, safe, affordable electrical power to serve the island's needs today, and in the future; now therefore, be it

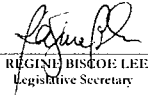
RESOLVED, that the Committee on Rules of *I Muna Trenta Kuattro Na Liheslaturan Guahan* hereby, on behalf of *I Liheslaturan Guahan* and the people of Guam, commend and congratulate the Guam Power Authority on the occasion of its Fiftieth (50th) Year Anniversary of exemplary service in developing and providing reliable, safe, and affordable electrical power to the people of Guam; and be it further

RESOLVED, that the Speaker and the Chairperson of the Committee on Rules certify, and the Legislative Secretary attest to, the adoption hereof, and that copies of the same be therewith transmitted to Mr. John Benavente, General Manager of Guam Power Authority; to Mr. Joey Duenas, Chairperson of the Consolidated Commission on Utilities; to the Honorable Madeline Z. Bordallo, Guam Delegate to the United States Congress; and to the Honorable Edward J.B. Calvo, *I Mungklatan Guahan*.

DULY AND REGULARLY ADOPTED BY THE COMMITTEE ON RULES OF *I MUNA TRENTA KUATTRO NA LIHESLATURAN GUAHAN* ON THE 8TH DAY OF MAY.


BENJAMIN J.F. CRUZ
Speaker


REGINI BISCOE LEE
Chairperson, Committee on Rules


REGINI BISCOE LEE
Legislative Secretary



Laura N. Nand 5-8-18

From: Telena Cruz Nelson
Sent: Monday, May 7, 2018 8:25 AM
To: phnotice@guamlegislature.org
Cc: Clerks; Tom Unsiog; mis; Joe San Agustin
Subject: Presentation of Resolution No. 404-34

May 7, 2018

MEMORANDUM

TO: All Honorable Senators
Media

FROM: Senator Telena Cruz Nelson

SUBJECT: Presentation of Resolution No. 404-34 (COR)

Buenas yan Hafa Adai! Please join Vice-Speaker Terlaje in presenting **Resolution No. 404-34 (COR)- “Relative to commending the Guam Power Authority on the occasion of their 50th anniversary of exemplary service in developing and providing reliable, safe, and affordable power to the People of Guam.”**

The presentation will take place on **Tuesday, May 8, 2018 at 10:00 a.m.** at the **3rd Floor CCU Board Conference Room, Gloria B. Nelson Public Facility, Fadian-Mangilao, Guam.** We look forward to your attendance and participation.

Si Yu'os Ma'ase!

cc: Clerks
Sergeant-at-Arms
MIS
Protocol
AV

--

Senator Telena Cruz Nelson

Committee on Housing, Utilities, Public Safety & Homeland Security

I Mina'trentai Kuåttro na Liheslaturan Guåhan

34th Guam Legislature

Guam Congress Building, 163 Chalan Santo Papa, Hagåtña, Guam 96910

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I MINA'TRENTAI KUÁTTRO NA LIHESLATURAN GUÁHAN
2018 (SECOND) Regular Session

Resolution No. 404-34 (COR)

Introduced by:

Telena Cruz Nelson
Thomas C. Ada
FRANK B. AGUON, JR.
William M. Castro
B. J.F. Cruz
James V. Espaldon
Fernando Barcinas Esteves
Régine Biscoe Lee
Tommy Morrison
Louise B. Muña
Dennis G. Rodriguez, Jr.
Joe S. San Agustin
Michael F.Q. San Nicolas
Therese M. Terlaje
Mary Camacho Torres

Relative to commending and congratulate the Guam Power Authority on the occasion of its Fiftieth (50th) Year Anniversary of exemplary service in developing and providing reliable, safe, and affordable power to the people of Guam.

- 1 **BE IT RESOLVED BY THE COMMITTEE ON RULES OF I**
2 ***MINA'TRENTAI KUÁTTRO NA LIHESLATURAN GUÁHAN:***
3 **WHEREAS,** the Guam Power Authority (GPA) was established in 1968 through
4 the enactment of “The Guam Power Authority Act of 1968”; and

1 **WHEREAS**, in March 1969, the Public Utilities Agency of Guam (PUAG)
2 transferred to GPA all items of property, materials, and other assets and liabilities
3 pertaining to the electric utility operations of the Agency; and

4 **WHEREAS**, in 1970, GPA sold One Million Four Hundred Twenty-five Thousand
5 Dollars (\$1,425,000) in Guam Power Authority bonds at an interest rate of 6.5 percent to
6 the Bank of America in San Francisco, California, marking the first time that any Guam
7 bonds had ever been sold; and

8 **WHEREAS**, later that year, GPA installed four (4) high speed diesel generators
9 capable of providing eleven thousand (11,000) kilowatts of electric power, and
10 significantly reduced the number of village power outages; and

11 **WHEREAS**, in 1971, the GPA Board of Directors authorized the U.S. Navy OICC,
12 Marianas to enter into a contract to build GPA's first baseload steam electric generating
13 plant, a twenty-five (25) megawatt unit to be located adjacent to the U.S. Navy power plant
14 at *Tanguisson* Point; and

15 **WHEREAS**, the U.S. Navy power barge Inductance, which was loaned to GPA,
16 was towed from Okinawa to Guam, set in its mooring facilities, and became operational on
17 March 15, 1972; and

18 **WHEREAS**, GPA then began construction on four (4) two thousand five hundred
19 (2,500) kilowatt General Motors diesel units at GPA's *Dededo* Diesel Plant, which became
20 operational on October 15, 1972; and

21 **WHEREAS**, an agreement was signed between the Government of Guam and the
22 U.S. federal government establishing 1975 as the target date for the Guam Power Authority
23 to assume full control of the island-wide power system, with the U.S. Navy becoming its
24 largest single customer; and

25 **WHEREAS**, GPA's *Tanguisson* #2 unit, a steam-turbo electric generating plant,
26 was completed and came on-line to augment the island-wide power system in 1973; and

1 **WHEREAS**, GPA's *Cabras* #1 unit, a sixty-six (66) megawatt reheat-type steam
2 turbo electric generator, was financed by a Twenty-five Million Dollar (\$25,000,000) bond
3 sale, and came on-line in 1974; and

4 **WHEREAS**, GPA's *Cabras* #2 unit, a sixty-six (66) megawatt reheat-type steam
5 turbo electric generator came on-line in 1975; and GPA constructed two (2) two hundred
6 sixty-eight thousand (268,000) barrel tanks in order to purchase fuel directly from suppliers
7 and reduce costs; and

8 **WHEREAS**, in May 1976, Category 4 Typhoon Pamela struck Guam and caused
9 3.2 Million Dollars in damages to GPA's electrical power system; and, GPA was able to
10 substantially restore normal operations within the span of six (6) months; and

11 **WHEREAS**, in 1978, GPA established a policy of replacing secondary distribution
12 wooden power poles with concrete power poles. The long-range objective was to
13 strengthen the entire island-wide electrical distribution system with upgrades and to make
14 it more typhoon-resistant.; and

15 **WHEREAS**, a decade later, GPA and the U.S. Navy joint-manning of the island-
16 wide power system was terminated, and dispatch operations became solely GPA's
17 responsibility; and

18 **WHEREAS**, in January of 1989, GPA and the U.S. Navy finalized the Power Pool
19 negotiations, establishing criteria for GPA to meet in order to take over the power system
20 and make the U.S. Navy a customer; and

21 **WHEREAS**, in 1990, a boiler tube explosion at GPA's *Cabras* #1 unit caused a
22 thirty percent (30%) loss of generating capacity for eighty-one (81) days, and GPA restored
23 the unit in record setting pace; and

24 **WHEREAS**, GPA recorded a 13.3 percent growth rate, the largest growth level
25 recorded over the previous eight (8) years, and the Guam Public Utilities Commission
26 (PUC) and the Guam Legislature approved the GPA-U.S. Navy Customer Supplier
27 Agreement; and

1 **WHEREAS**, Category 5 Typhoon Yuri devastated Guam on November 27, 1991,
2 and caused 1.6 Million Dollars in damages to the GPA system; and

3 **WHEREAS**, in 1992, the history of power delivery on Guam was forever changed
4 when Governor Joseph Ada signed the GPA-U.S. Navy Customer Supplier Agreement into
5 law, making the U.S. Navy a customer of GPA; and

6 **WHEREAS**, later that year, GPA's *Dededo* Combustion Turbine Unit #1 came
7 online and GPA also worked to complete the installation of emergency standby generators
8 at one hundred thirty-nine (139) PUAG water well and booster pump sites, as well; and

9 **WHEREAS**, on August 28, 1992, Category 4 Typhoon Omar made landfall on
10 Guam, causing approximately Twelve Million Dollars (\$12,000,000) in damages,
11 including destroying more than four hundred (400) power poles and disrupting electrical
12 power services island-wide; nevertheless, GPA was able to substantially restore Guam's
13 power system to normal operations within one (1) month; and

14 **WHEREAS**, in 1993, the Guam PUC approved GPA's first baseload generator
15 power plant addition in almost twenty (20) years, which was designated as Cabras #3 and
16 #4; and

17 **WHEREAS**, GPA provided storm restoration assistance to the U.S. Virgin Islands
18 following the devastation caused by Hurricane Marilyn, just three (3) years after restoring
19 service to its own power system; and

20 **WHEREAS**, in 1997, shortly after aiding the U.S. Virgin Islands in the aftermath
21 of Hurricane Marilyn, Category 5 Typhoon Paka devastated Guam with one hundred
22 eighty-five (185) mile-per-hour winds, causing Sixteen Million Dollars (\$16,000,000) in
23 damages to GPA's transmission and distribution system, which GPA was able to restore;
24 and

25 **WHEREAS**, as part of the *Tumon* Redevelopment Plan, the *Tumon* Underground
26 Conversion was completed in 1999 to improve power quality and reliability of the island-

1 wide power distribution system of Hotel Row and the Guam Memorial Hospital, which are
2 vital to our tourism industry and hospital services; and

3 **WHEREAS**, in 2002, Category 4 Typhoons Chataan and Pongsona ravaged Guam,
4 causing widespread damages to GPA assets; and, GPA restored electric power to ninety-
5 nine percent (99%) of the island in just two (2) months following the devastation caused
6 by those Category 4 typhoons; and

7 **WHEREAS**, in 2004, GPA reinstated its GPA Apprenticeship Program, in
8 collaboration with the Agency for Human Resources Development and Guam Community
9 College, and admitted sixty-four (64) trainee applicants; and

10 **WHEREAS**, in 2005, GPA broke ground for the construction of the P-401
11 underground project at the Archbishop Flores Circle in *Tamuning* towards the Guam
12 Memorial Hospital, and the P-003 underground project at Cabras Island to the Guam
13 Commercial Port; and

14 **WHEREAS**, in 2006, in order to help maintain normal operations in the event of
15 another typhoon, GPA began two (2) 34.5 KV underground transmission line conversion
16 projects for typhoon resiliency across central Guam to link *Harmon* to *Tumon* to *Tamuning*,
17 a project that was paid for with FEMA hazard mitigation grants and GPA revenue funds;
18 and

19 **WHEREAS**, in 2008, the Guam Power Authority Integrated Resource Plan (IRP)
20 was approved by the PUC, granting GPA permission to pursue renewables to reduce fuel
21 costs in an effort to become more environmentally friendly and sustainable. Public Law
22 29-62 required GPA to meet Renewable Portfolio Standards with the standard of twenty-
23 five percent (25%) of GPA's net sales to be generated from renewable sources by
24 December 2025; and

25 **WHEREAS**, Fitch Rating Service notified GPA in 2009 of its BB+ rating with a
26 positive outlook, bringing GPA a step closer to the goal of restoring its investment grade
27 bond rating, which it had lost a few years earlier; and

1 **WHEREAS**, the first use of “net metering” was implemented later that year as a
2 *Barrigada* customer generated solar power to offset the IWPS grid power consumption;
3 and

4 **WHEREAS**, GPA was chosen as one (1) of one hundred (100) electric utilities
5 nationwide to receive federal stimulus funds under the American Recovery and
6 Reinvestment Act (ARRA) of 2009, and the 16.7 Million Dollar award was to pay for half
7 of the total GPA SMART Grid project; and

8 **WHEREAS**, in 2010, the Consolidated Commission on Utilities resolved to
9 construct a joint GPA-GWA facility in *Mangilao* at a projected cost of Thirty-five Million
10 Dollars (\$35,000,000); and

11 **WHEREAS**, GPA received PUC approval in 2011 to contract for solar and wind
12 energy technologies to improve service, efficiency and reliability, which allowed GPA to
13 initiate its Phase 1 Renewable Acquisition bid and selected two (2) proposals which
14 included thirty-five (35) megawatts of wind and solar energy production; and

15 **WHEREAS**, GPA installed the first Smart Meters in the system to commence a
16 33.4 Million Dollar Smart Grid Initiative Grant (SGIG) Program in 2011, with fifty percent
17 (50%), or 16.7 Million Dollars, funded through a federal grant. The SGIG program was
18 designed to enhance the customer experience, improve power quality and reliability, and
19 reduce costs; and

20 **WHEREAS**, GPA signed the first renewable energy contract in 2012 to reduce
21 dependence on imported oil for power generation with Quantum Guam Power, to supply
22 three percent (3%) of Guam’s energy needs. The twenty-five (25) year contract would
23 lessen Guam’s dependence on imported fuel oil; and

24 **WHEREAS**, shortly after the signing of the renewable energy contract, GPA was
25 able to fully launch its Smart Meter project with the installation of five thousand (5,000)
26 digital meters, the first step toward a Smart Grid for Guam; and

1 **WHEREAS**, in 2012, the PUC approved the execution of a Utilities Services
2 Contract that GPA negotiated with the U.S. Navy, its largest customer. The ten (10)-year
3 contract, which replaced a twenty (20)-year contract that expired in July 2012, strengthened
4 GPA’s position as the sole provider of electrical power service for Guam; and

5 **WHEREAS**, GPA completed the installation of a ninety-six (96)-count strand of
6 cable through an underground conduit system connecting its *Harmon* Main Office and
7 various GPA substations including the Guam Airport Authority, *Harmon*, *Macheche*,
8 *Dededo*, Andersen Air Force Base, and the *Pagat* substation in 2013, which would provide
9 a communication link between the substations to boost system protection and reliability;
10 and

11 **WHEREAS**, in 2013, GPA also broke ground to build the Gloria B. Nelson Public
12 Service Facility, which would consolidate the offices of both GPA and the Guam
13 Waterworks Authority; and

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15 application program MyEnergyGuam on 2003 as one of GPA’s Demand Side energy
16 solutions available to residential customers with the ability to track their electrical
17 consumption in real time. My Energy Guam encourages the consumers to control power
18 consumption in their household; and

19 **WHEREAS**, GPA announced plans for a wind turbine project funded by a 1.5
20 Million Dollar U.S. Department of Interior Office of Insular Affairs grant in 2013. The
21 project was to install a single two hundred seventy-five (275) kilowatt wind turbine along
22 Cross Island Road in *Yona* by 2015. In subsequent years, GPA received additional funding,
23 culminating in a total grant of 2.5 Million Dollars; and

24 **WHEREAS**, construction of the *Dandan* solar facility began in March 2014 by
25 NRG Renew, GPA, Quantum Guam Power, Inc., and Guam Solar Properties, LLC, which
26 created three hundred (300) jobs over a period of nineteen (19) months; and

1 **WHEREAS**, on January 28, 2015, the Gloria B. Nelson Public Service Building
2 (GBNPSB) was completed and opened to the public; and

3 **WHEREAS**, in 2015, Typhoon Dolphin ravaged Guam with one hundred six (106)
4 mile per hour winds; and GPA was able to complete restoration within one (1) week,
5 despite forty percent (40%) of homes being without power; and

6 **WHEREAS**, in August 2015, Typhoon Soudelor devastated the neighboring island
7 of Saipan, CNMI, and GPA joined “Operation Soudelor Recovery” by providing
8 manpower support with forty-eight (48) employees, and materials and equipment to assist
9 the island in its storm recovery; and

10 **WHEREAS**, in 2015, GPA commissioned Guam’s first utility scale solar project,
11 the NRG Renew LLC, 26.5 *Dandan* Solar Project; and

12 **WHEREAS**, in October of 2016, the PUC approved the construction of up to one
13 hundred eighty (180) megawatts of new, flexible generation baseload capacity. The new
14 baseload power plant will allow for more renewables to be added into the grid by 2022;
15 and

16 **WHEREAS**, on May 15, 2017, GPA signed an agreement with LG CNS for an
17 aggregate of a forty (40) megawatt/twenty-two (22) megawatt hour of Battery Energy
18 Storage Systems (BESS) comprised of a twenty-four (24) megawatt/six (6) megawatt hour
19 BESS at the *Agaña* Substation; and a sixteen (16) megawatt/sixteen (16) megawatt hour
20 BESS at the *Talofofo* Substation. LG CNS broke ground on the project in December 2017,
21 and it is expected to be operational in August 2018; and

22 **WHEREAS**, on May 16, 2017, GPA and the U.S. Navy entered into a one hundred
23 sixty-four (164) acre land lease agreement for the installation of forty (40) megawatts of
24 utility scale renewable energy projects to lessen Guam’s dependency on imported carbon
25 fuel; and

26 **WHEREAS**, in December 2017, GPA took over the TEMES forty (40) megawatt
27 power plant assets at no cost, and which results in an annual savings of Five Million Dollars

1 (\$5,000,000) for ratepayers. The plant was previously owned by the Independent Power
2 Producer TEMES under a private-public partnership contract for twenty (20) years; and

3 **WHEREAS**, the PUC's approval of GPA's request to contract for one hundred
4 twenty (120) megawatts of Solar Photo Voltaic (PV) renewables to come online in 2020
5 reduces fuel related costs and provides a hedge against erratic fuel prices. These projects
6 will provide about eighteen percent (18%) of Guam's energy needs when commissioned;
7 and in addition to earlier planned projects, it will allow GPA to achieve the mandated
8 Legislative Renewable Portfolio Standards of twenty-five percent (25%) energy
9 production from renewables as early as 2021; and

10 **WHEREAS**, GPA's DSM Energy Sense Rebate Program has met the milestone of
11 \$1.3 million in rebates paid out; and

12 **WHEREAS**, the 34th Guam Legislature approved GPA's land rezoning efforts in
13 order to build Guam's newest power plant in *Ukudu, Dededo*. The building of the one
14 hundred eighty (180) megawatt power plant will allow GPA to substantially improve
15 reliability; and in addition, provides the opportunity to gain control of Guam's energy
16 costs; and

17 **WHEREAS**, GPA continues the process of finalizing a Renewable Integration
18 Study and Long-Range Transmission Planning Study to improve the penetration of
19 renewable energy onto GPA's grid and improve GPA's grid stability and reliability; and

20 **WHEREAS**, the dedicated efforts of past and present employees of the Authority
21 have allowed the development of reliable, safe, affordable electrical power to serve the
22 island's needs today, and in the future; now therefore, be it

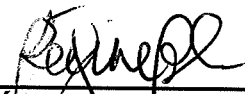
23 **RESOLVED**, that the Committee on Rules of *I Mina'Trentai Kuattro Na*
24 *Lihselaturan Guåhan* does hereby, on behalf of *I Lihselaturan Guåhan* and the people of
25 Guam, commend and congratulate the Guam Power Authority on the occasion of its
26 Fiftieth (50th) Year Anniversary of exemplary service in developing and providing reliable,
27 safe, and affordable electrical power to the people of Guam; and be it further

1 **RESOLVED**, that the Speaker and the Chairperson of the Committee on Rules
2 certify, and the Legislative Secretary attest to, the adoption hereof, and that copies of the
3 same be thereafter transmitted to Mr. John Benavente, General Manager of Guam Power
4 Authority; to Mr. Joey Duenas, Chairperson of the Consolidated Commission on Utilities;
5 to the Honorable Madeleine Z. Bordallo, Guam Delegate to the United States Congress;
6 and to the Honorable Edward J.B. Calvo, *I Maga'låhen Guåhan*.


**DULY AND REGULARLY ADOPTED BY THE COMMITTEE ON RULES OF
I MINA'TRENTAI KUATTRO NA LIHESLATURAN GUÅHAN ON THE 8TH DAY
OF MAY 2018.**



BENJAMIN J. F. CRUZ
Speaker



RÉGINE BISCOE LEE
Chairperson, Committee on Rules



RÉGINE BISCOE LEE
Legislative Secretary

Speaker Benjamin J.F. Cruz,
Member

Vice Speaker Therese M. Terlaje,
Member

Senator Thomas C. Ada,
Member

Senator Frank B. Aguon, Jr.,
Member

Senator Telenia C. Nelson,
Member



Sen. Dennis G. Rodriguez, Jr.
Member

Sen. Joe S. San Agustin,
Member

Senator Michael F.Q. San Nicolas,
Member

Senator James V. Espaldon,
Member

Senator Mary C. Torres,
Member

COMMITTEE ON RULES

SENATOR RÉGINE BISCOE LEE, CHAIR

SIKRITARIAN LIHESLATURAN GUAHAN

I MINA'TRENTAI KUÁTTRO NA LIHESLATURAN GUÁHAN

LEGISLATIVE SECRETARY • 34TH GUAM LEGISLATURE

COMMITTEE VOTING SHEET

Resolution No. 404-34 (COR) – Telenia Cruz Nelson – “Relative to commending and congratulate the Guam Power Authority on the occasion of its Fiftieth (50th) Year Anniversary of exemplary service in developing and providing reliable, safe, and affordable power to the people of Guam.”

	SIGNATURE	DATE	TO ADOPT	TO NOT ADOPT	TO ABSTAIN
Legislative Secretary Régine Biscoe Lee Chairperson	<i>e-vote</i>	<i>5-8-18</i>	<input checked="" type="checkbox"/>		
Speaker Benjamin J. F. Cruz Member	<i>e-vote</i>	<i>5-8-18</i>	<input checked="" type="checkbox"/>		
Vice-Speaker Therese M. Terlaje Member	<i>e-vote</i>	<i>5-8-18</i>	<input checked="" type="checkbox"/>		
Senator Thomas C. Ada Member					
Senator Frank B. Aguon, Jr. Member					
Senator Telenia Cruz Nelson Member	<i>e-vote</i>	<i>5-8-18</i>	<input checked="" type="checkbox"/>		
Senator Dennis G. Rodriguez, Jr. Member					
Senator Joe S. San Agustin Member	<i>e-vote</i>	<i>5-8-18</i>	<input checked="" type="checkbox"/>		
Senator Michael F.Q. San Nicolas Member	<i>e-vote</i>	<i>5-8-18</i>	<input checked="" type="checkbox"/>		
Senator James V. Espaldon Minority Leader					
Senator Mary Camacho Torres Minority Member					

2018 MAY 8 AM 9:22
Full

For Sponsor's Office Use Only
 Sponsor Signature: *Lawrence Alcair*
 Staff Contact Person: *Lawrence Alcair*

For COR/Clerk's Office Use Only
 Certified Returned
 Name: _____
 Date: _____
 Notes: _____

